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NINETY-EIGHTH  
ANNUAL REPORT

OF THE

SOUTH CAROLINA  
STATE HOSPITAL

FOR THE YEAR 1921

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STATE DOCUMENTS

Gonzales and Bryan, State Printers  
Columbia, S. C.  
1921-1922



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**FOR THE YEAR 1921**

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# OFFICERS OF THE HOSPITAL

## BOARD OF REGENTS

R. B. SCARBOROUGH, President.....	Conway
CHRISTIE BENET.....	Columbia
F. H. McLEOD, M. D.....	Florence
A. W. REYNOLDS.....	Aiken
J. E. SIRRINE.....	Greenville

## MEDICAL STAFF

C. F. WILLIAMS, M. D.  
Superintendent

J. F. MUNNERLYN, M. D.  
Medical Director

E. L. HORGER, M. D.  
Senior Assistant Physician and Pathologist

H. A. McELROY, M. D.  
Assistant Physician, State Park

R. H. FOLK, M. D.  
J. M. BEELER, M. D.  
J. E. BOONE, M. D.  
COYT HAM, M. D.  
Assistant Physicians

CATHERINE MUNRO, M. D.  
Woman Physician

H. C. ALLISON  
Roentgenologist

GEORGE COUSAR  
W. LINDSAY MILLER  
Clinical Assistants

E. M. WHALEY, M. D.  
Consultant Eye, Ear, Nose and Throat

GEORGE BENET, M. D.  
GEORGE H. BUNCH, M. D.  
S. E. HARMON, M. D.  
JULIUS H. TAYLOR, M. D.  
Consulting Surgeons

J. RICHARD ALLISON, M. D.  
Consulting Dermatologist

E. G. BUMGARDNER, D. D. S.  
Dentist

H. T. PATTERSON  
Treasurer—Secretary of the Board

REV. J. C. ABNEY  
Chaplain



## REPORT OF THE REGENTS.

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Columbia, S. C., January 1, 1922.

To His Excellency, Robert A. Cooper, Governor of South Carolina:

The Board of Regents of the South Carolina State Hospital respectfully submits this its report for the year 1921:

### NUMBER OF PERSONS UNDER CARE OF THE BOARD

As shown by the statistical tables of the Superintendent's report, the number of persons in the hospital on December 31, 1920, was 2,205. The admissions for the year have been 938. The total number under treatment during the year was 3,393. The daily average number was 2,331, and the number in the hospital on December 31, 1921, was 2,354, an increase of 149.

The Board in its report for 1920 called your Excellency's attention to the overcrowded condition of the quarters for the negroes, which was extreme at that time. No increase in quarters was made during the year 1921, and the overcrowded condition today is worse than it was one year ago, as there are in the hospital at this time 56 more negroes to be cared for than at the close of last year. So overcrowded are the buildings that the Board feels that additional quarters must be provided, and if such quarters are not forthcoming it will be necessary for it to instruct the Superintendent to receive no more patients. This will mean that many of the insane in the State will have to be cared for in the county jails, which are totally unequipped for their proper care. The Board is fully mindful of the stringency of the times and of the financial situation confronting the State; but the same conditions unfortunately bring about increased mental sickness and the poor unfortunates must be cared for—not only as an act of charity toward the insane persons themselves, but as a protection to them and to the community in which they reside.

When the Board of Regents adopted the plan of remodeling the main plant in the city of Columbia, it advocated as an integral part of the policy the ultimate segregation of all the colored patients at State Park. With this end in view, the remodeling



of the white quarters has been carried forward. With the removal of the negroes to State Park, a part of the quarters now occupied by them can, with alterations and rebuilding, be made entirely suitable for white men. This will shortly be necessary, as the large admission rate during this year has caused the quarters for the white men to be taxed and the population there is rapidly approaching the maximum capacity.

For these reasons the Board in its budget for 1922 requests \$150,000.00 for permanent improvements. With this amount simple buildings of fireproof construction can be erected at State Park and the situation relieved for the present.

It is our earnest hope that, with all of the facts now before him, His Excellency may yet see his way clear to recommend this appropriation.

The State of South Carolina through the exercise of its sovereign power, has taken charge of the persons of the patients at the hospital and for their good and the good of society, has deprived them of their liberty and has placed their care and treatment in our hands. The members of the Board are agents of the State and we would be false to our duty to the State were we to fail to urge with all our power that South Carolina properly care for these unfortunate people who are unable to care for themselves.

### DEVELOPMENTS AND REPAIRS

The Legislature appropriated \$85,000.00 for the completion of the Taylor building and further developments for 1921. This work has been done and the reports of the architect and the engineer hereto attached show in detail the disposition of these funds.

With the completion of the Taylor building and other work which was done at the city plant during the past year, the program of remodeling and rebuilding for the whites is practically completed and the Board is glad to be able to say that the work done has provided an institution of which the State of South Carolina may reasonably be proud and one in which the patients are given such care as their condition requires with all the comforts which modern scientific thought prompts.

In addition to the work done in the city the water supply for State Park was developed to our great gratification. In



previous reports it has been pointed out that State Park would have to be furnished with water from the city or from Crane Creek.

During the early part of 1921 the Board had experiments made at State Park by Mr. G. E. Shand, of the Shand Engineering Co., and as a result of these experiments has developed three ten-inch wells—their combined flow being 75,000 gallons per day of 12 hours conservative pumping, of 90,000 gallons at maximum capacity. In addition the five shallow wells used for some years, which will be used for the reserve supply, have a capacity of about twenty-five thousand gallons each day. These, we believe, will insure a sufficient supply of water for State Park purposes for all time. If more water is needed additional wells can be easily secured at small cost.

In order to have power for pumps and for lighting purposes an electric line was brought from Columbia out to State Park. This has been completed and is working satisfactorily and with considerable saving in cost.

The total cost of digging the wells, laying the necessary mains, moving and rebuilding the one hundred thousand gallon tank, constructing the power line, buying the necessary motors, transformers, etc., will come within \$25,000.00. The estimate furnished the Board of the cost necessary to bring water from the city or from Crane Creek was about \$100,000.00. The Board is gratified that it has been able to develop an adequate water supply at the comparatively small expense as shown.

### HOSPITAL CONDITIONS DURING 1921

Once more we have cause to be thankful for the remarkably good health record of the patients during the past year. The statistical data in the Superintendent's report shows the death rate is exceedingly low, taking into consideration the increased number of deaths from pellagra over last year, it being for 1921 9.2%, as compared with last year, which was 10.2%.

There have been no serious epidemics and the low death rate is attributable in a great measure to improved conditions, the excellent care and treatment given the patients by the medical staff, the nurses and the attendants.

The Board regrets to report the fact that a faithful colored male attendant, H. T. Stark, while in the discharge of his duty was struck by an insane patient and died as the result of the blow.



## COST OF OPERATION

During 1920 our report showed that the daily per capita cost for the patients was .8658. This year on account of the reduction in the prices of supplies and also the reduction in the wages of the employees and other economies affected the hospital has been able to maintain more patients than last year at the daily per capita cost of .7735.

Sales made of farm and other produce as shown in the detailed statements of the Treasurer's report, amount to \$2,422.81. Pay patients paid into the institution \$16,907.67, which was turned over to the State Treasurer, and from sundry sources \$22,491.08 was received. These amounts with the revolving fund of \$15,000.00 makes \$56,821.56 now in hand and turned over to the State Treasurer at the close of the year. In addition to this, the Treasurer's report shows that there is unused of the 1921 appropriation the sum of \$45,942.73. From this amount there should be deducted the \$8,363.12 remaining in the appropriation for the completion of the Taylor building and further development and approximately \$8,000.00 additional, which will be necessary to pay for labor and materials already contracted for. This will leave \$29,887.86 of the 1921 appropriation untouched, which, combined with the \$56,821.56 turned over to the State Treasurer, makes a total of \$86,709.42 that will go back to the State. This should be deducted from the total appropriation in order to show exactly what it cost the State to operate the hospital for 1921.

## FARM OPERATION

Our crops of sweet potatoes, corn, peas, and ensilage cane were very gratifying, cane particularly so. The oat crop was quite short due, from reports, to some condition which made the oat crop short generally.

The irrigation system is proving of great benefit and when we get the tract upon which this plant has been set up (that having been chosen not for its fertility but for its natural drainage) well stocked with nitrogen laden humus, we expect to get even better results in our effort to provide the hospital with abundance of the best quality of fresh vegetables.

The work of the U. S. Department of Animal Husbandry has been continued with the Dairy Herd in the effort to free it from tuberculosis. As a result of the several tests made dur-



ing the year we had to eliminate nine cows. The last test made on October 7th discovered only one reactor. It is hoped that we are now free from this disease but we cannot have an accredited herd until two successive tests show no reactors.

A number of heifers freshening during the fall increased our milk supply greatly.

The continued absence of a market for young bulls reduces materially the profit from this activity.

### BUDGET FOR 1922

Based on the average population for the first eight months of 1921 and the careful study of the needs of the hospital the following budget was submitted to his Excellency in October for 1922.

Superintendency and records .....	\$ 31,187.80
Care and treatment of inmates .....	561,061.00
Upkeep of buildings and grounds .....	52,659.00
Building Replacements and Additions .....	222,223.33
Hospital Dairy .....	23,220.00
Columbia Farm .....	10,008.00
Moore Farm .....	7,296.00
Pel Farm .....	11,261.00
Total .....	<u>\$918,926.63</u>

The total appropriation for 1921 as appears in the Appropriation Act is \$784,123.94. It would thus appear that the appropriation sought this year is in excess of what was appropriated last year. This is not the case and the Board feels that the situation should be explained.

In 1920 the Legislature authorized the Board to borrow \$100,000.00 from the Sinking Fund with instructions that one-third of this amount should be paid back each year. In 1921 the Legislature saw fit to postpone the payment, therefore, the Board finds it necessary to include in the Budget two payments of this amount with interest aggregating \$72,223.33. All of this amount is due as a repayment for work already done and not one cent of it will benefit the hospital during 1922, although it is shown in the Appropriation Act as chargeable to the hospital for this year.

It is very gratifying to the Board to know that during the year the survey made by the efficiency experts of the Griffen-



hagen & Associates, Ltd., found that the hospital is most excellently managed and that it is classed by these experts as being one of the best institutions of its kind throughout the country. This is intensely gratifying and speaks well for the management of the institution. The Board wishes again to record its appreciation of the excellent morale which has been maintained and to thank the Superintendent, Dr. C. F. Williams, and his co-workers for their ceaseless efforts in behalf of the patients and the institution.

Respectfully submitted,

R. B. SCARBOROUGH, Chairman;  
CHRISTIE BENET,  
F. H. McLEOD, M. D.  
A. W. REYNOLDS,  
J. E. SIRRINE,

Board of Regents, South Carolina State Hospital.



## REPORT OF THE SUPERINTENDENT.

Columbia, S. C., January 1, 1922.

To the Board of Regents,, South Carolina State Hospital  
Columbia, S. C.

Gentlemen: In accordance with your requirements the ninety-eighth Annual Report for the year ending December 31, 1921, is herewith respectfully submitted.

No change has been made in regard to the arrangements of the Statistical Tables and as in former reports, we continue to comply with the arrangement of the Tables as formulated by the Committee on Statistics of the American Psychiatric Association in collaboration with the Bureau of Uniform Statistics of the National Committee for Mental Hygiene.

Owing to the fact that the population of this hospital is about equally divided between white and colored and also that there are some interesting points of difference in the Psychoses of the two races, it is thought advisable from a standpoint of comparative study to divide the Tables into white and colored.

### GENERAL STATISTICS FOR THE YEAR ENDING DECEMBER 31, 1921.

	White Males	Colored Males	White Females	Colored Females	Total
Patients on books of institution December 31, 1920.....	616	587	732	520	2455
Admissions during the year.....					
First Admissions .....	194	190	186	170	740
Readmissions .....	68	34	51	45	198
Total received during the year.....	262	224	237	215	938
Total on books during the year.....	878	811	969	735	3393
Daily average population .....	595	566	697	473	2331
Discharged from books during year.....	144	76	131	115	466
As recovered .....	32	32	40	33	137
As improved .....	64	38	71	73	246
As unimproved .....	11	1	6	1	19
As without psychosis .....	37	5	14	8	64
Died during the year .....	58	107	59	89	313
Total discharged and died .....	202	183	190	204	779
Remaining under treatment .....	613	575	697	469	2354
Number home on parole .....	59	52	78	62	251
Total remaining on books December 31, 1921.....	672	627	775	531	2605

### ADMISSIONS

At the close of the year December 31, 1921, there remained in the hospital 2354 patients. As shown in the Tables representing the movement of the population 938 patients were



admitted, 740 of these were first admissions, that is patients who were never before admitted to any hospital for mental diseases and represents approximately the number of new cases of mental diseases occurring in the State during the year,

One hundred and ninety-eight cases were readmitted. By readmission, we mean those who have had a previous residence in some Hospital for Mental Diseases.

The total number of admissions for the year were 124 more than that of last year.

The Table representing the diagnostic groupings of the first admissions shows that Dementia Praecox is the most frequent form of mental disease among patients originally committed. This psychosis was diagnosed in 30.1 per cent. of the first admissions.

The second largest group is comprised of Senile Cases. This psychosis was diagnosed in 10.9 per cent. of the first admissions.

The Table representing the diagnostic groupings of readmissions show that Dementia Praecox occurred most frequent, and was diagnosed in 40.1 per cent. of the readmissions.

Manic Depressive was the second largest number, and was diagnosed in 29.2 per cent of the readmissions.

### DISCHARGES

There were 89 more patients discharged this year than last, the total number of discharges for the year being 466: Of this number 137 were discharged as recovered, 246 as improved, 19 as unimproved and 64 not insane.

### DEATHS

Three hundred and thirteen patients died during the year. Of this number fifty-eight were white males, one hundred and seven colored males, fifty-nine white females and eighty-nine colored females. The ratio of deaths based upon the whole number treated is 9.2 per cent. This is one per cent. lower than the death rate of last year. Important factors contributing to the death rate are the large number of senile and pellagra patients admitted. Eighty-seven who died were over sixty years of age and fifty-four deaths were caused from Pellagra. Most of the above cases were admitted in critical condition and quite a number of them lived only a few days



after coming to the Hospital. I wish again to direct your attention to the fact that the Hospital continues to be called upon to care for a large number of patients of this type who could be cared for in alms houses and general hospitals, thereby allowing more room in the Hospital for the care and treatment of those with mental conditions regarded as essentially institutional cases.

A comparative study of the death rate between the white and colored races reveals some interesting facts. As shown in the table representing the number of deaths we find that the death rate for the white patients is 6.3 per cent. while that for the colored is 12.7 per cent. While no definite cause can be established for this marked difference, we believe that one of the most important conditions contributing to this disproportion is the difference in the physical condition of the quarters occupied by the two races. All of the white patients occupy modernly improved quarters, while the negro quarters have not been improved, are overcrowded, and as stated in another part of this report it is impossible under existing conditions to render to these people the aid they deserve.

### GENERAL HEALTH

The matter of maintaining a high standard of health for the hospital population has received much consideration during the year. In order to give the mentally sick patient every advantage for improvement, it is of paramount importance to obtain good physical health. It has, therefore, been the duty of both officers and employees to labor constantly for the purpose of creating a healthful, sanitary environment. A review of the general health of the patients will show that this labor has not been in vain, and it is with a feeling of deep gratitude that I report the occurrence of no epidemics, suicides, or serious accidents of any kind to any of the patients. This speaks well for the efforts of those who have had to care for them, when we take into consideration the fact that during the entire year all of the negro quarters have been much overcrowded. It has been necessary to care for many cases of sickness, the infirmary wards being crowded most of the year; these, however, were principally heart, kidney, and arteriosclerotic conditions, maladies that may be more or less prevalent at all times in any community. There has also been an increase in the number



of pellagra patients admitted; practically all of these were advanced cases and required special care on infirmary wards. It is gratifying, however, to report that quite a number of these cases improved and many were paroled considered recovered. It is with deep regret that I report the death of H. T. Stark, a faithful colored male attendant, who had been in the employment of the hospital for many years. On the night of October 2, 1921, while in the discharge of his duty he was struck a blow on the head by a patient and died a few days later.

### MEDICAL WORK

As the result of a gradual process wherein old methods have been discarded and new ones put into operation, it may be said that the Medical Work at the Hospital has attained a standard which would seem to clearly justify the classification of the Institution as a Hospital. These requirements that experience has shown to be needed in such institutions, in order that they may be classified as hospitals, and which are now in operation, may be briefly enumerated.

1. A Reception Service.—Each department is supplied with a ward, especially equipped for receiving new patients. These patients are kept in bed on the reception ward for at least a week, during which time the case is studied by one of the staff physicians and classified according to the mental and physical condition of the patient.

2. Facilities for Proper Classification and Segregation of Patients.—After the patient has been studied on the reception ward and ready for classification he is transferred to one of the other wards which are classed as quiet, semi-disturbed, disturbed, and infirmary. Here further study of the case is made and treatment suitable for the individual case instituted.

3. Properly Equipped Laboratories.—The study of all cases is made in conjunction with the X-Ray and Clinical Laboratories. These Laboratories are under the supervision of trained workers who perform various tests, thereby rendering valuable aid in arriving at a correct diagnosis.

4. An adequate Medical and Nursing Staff with a Training School for Nurses.—Prior to the present year considerable difficulty had been experienced in obtaining a Medical and Nursing Staff sufficient to properly carry on the work. During the past year, however, more physicians and nurses have been procured,



so that now the ratio of physicians and nurses to the number of patients under treatment approaches a more normal proportion than at any time since the war began in 1917. The matter of caring for the patients is greatly augmented in that a large proportion of the Nursing Staff is composed of graduate and pupil nurses who have received special instructions in caring for the mentally sick.

5. Frequent Regular Staff Meetings.—Staff Meetings are held four mornings during the week. These are presided over by the Medical Director and all of the physicians of the Hospital attend. All patients admitted are presented at Staff for a consideration of diagnosis and treatment. The case is first carefully worked up by one of the Staff Physicians and the history read at Staff Meeting. After hearing the facts in the case and interviewing the patient, effort is made to diagnose the case and appropriate treatment outlined.

6. A System of Adequate Case Records.—The matter of obtaining a comprehensive and thorough record of all cases has received much attention. These records are filed in a manner that they may be easily accessible. They are type-written and placed in durable folders with a view of preserving them, so that in years to come they may be used as a means of valuable study in research work.

7. A Parole System.—As soon as patients are regarded sufficiently improved to leave the hospital, they are given an opportunity of returning home on a furlough extending over a period of six months. If at any time during that period it should become necessary for them to return to the hospital, they may do so without the issuing of new commitment papers.

8. Social Service.—The urgent need of a field worker has been realized for some time, but it was not until the latter part of the year that the employment of a person for this position was made feasible. Through the services of a field worker much valuable information concerning patients' welfare will be obtained and many social adjustments made, that otherwise would not have been possible.

The above briefly outlines the Medical Work as it is now being conducted, with what is hoped to be a systematic arrangement of the department, the essential point of view, however, at all times being the welfare of the patient.



## LABORATORY WORK

The Laboratory continues to be a valuable asset to the Medical Department. During the year many tests in connection with the routine examination of patients were made. In the Clinical Laboratory Blood Wassermann tests and routine Urinalysis are made on all patients admitted, and in addition to this many special tests are made on blood, urine, feces, and stomach contents. Sections from the diseased organs of bodies autopsied are taken to the Laboratory and examined microscopically. It is regretted that the number of bodies autopsied has not been up to the usual standard. This was due to the fact that it was necessary for Dr. E. L. Horger, Pathologist, to devote much of his time during the earlier months of the year to assisting in the Medical Department. Mr. H. C. Allison, Assistant to the Pathologist, has devoted his entire time to the Laboratory work and in addition to the work done in the Clinical Laboratory has done considerable work in the X-Ray Laboratory. The X-Ray has rendered valuable aid, both from a diagnostic and therapeutic standpoint. Many examinations relative to the study of bone and viscera work are made, particularly has the X-Ray been made use of in the matter of locating abscessed teeth. Before any extractions are made, if the patient's condition will permit, a photograph of the teeth is taken, in this way no sound teeth are sacrificed and only those showing actual diseased process are extracted.

Gratifying results have been obtained from the use of the X-Ray in treating skin and cancer conditions. Dr. Jas. Richard Allison, Consulting Dermatologist, visits the Hospital one day a week and supervises this treatment. Many cases of Chronic Skin diseases, heretofore unaffected by treatment, have shown wonderful response to treatment under the influence of Rentgenization.

## DENTAL WORK

In former reports attention was called to the fact that it was highly desirable to have all patients who were admitted to the hospital with decayed teeth or diseased gums promptly treated. By doing this many patients who were in an ill state of physical health improved rapidly when these sources of infection were removed, and subsequently showed a more rapid progress in the improvement of their mental health.



It was realized, however that the time being devoted to dental work—about two hours and a half each morning—was inadequate and in order to accomplish the great amount of work incident to an increasing admission rate, the services of a full time dentist were required. On June 29th Dr. E. G. Bumgardner, a recent graduate of the Atlanta Dental College, was appointed to this position. Dr. Bumgardner devotes his entire time to the dental work of the patients. Prior to Dr. Bumgardner's appointment Dr. W. G. Hutchinson made regular visits to the hospital and looked after all of the emergency work. Dr. Hutchinson is now devoting his entire time to private practice.

All new cases are examined, X-Ray pictures are made of their teeth and prompt treatment administered whenever indicated. The older patients are also taken to the dentist from time to time and the condition of their teeth looked after. By this method much needed work that was formerly unattended to is being accomplished and favorable results in many cases have already been noticed.

### OCCUPATIONAL THERAPY

The Department of Occupational Therapy continues to be under the supervision of Miss Florence Elliott. During the summer Miss Elliott spent several weeks in New York studying the work, and since her return, in addition to the regular work of basket-making, rug-weaving, and fancy work of various kinds, has instituted a class in toy-making. The work of toy-making is done principally by the white male patients. They have taken quite an interest in the work and have made some very attractive articles.

Every effort is being made to expand the Department of Occupational Therapy, for the work as it has been carried on has already demonstrated the fact that it is one of our most valuable means of combating mental disorders. It has been frequently noticed that patients who were formerly depressed or abnormally indifferent, when placed in one of the Occupational Classes soon began to improve, and consequently were able to return home much earlier than if they had been allowed to remain in idleness. The Department is composed of five classes, with about thirty patients each; each class has an individual teacher, who through the means of tactful instructions, tries to stimulate the patients' interest in the work. The articles made in the Department are sold from time to time and the money



realized in this way is used in purchasing material for carrying on the work and also entertainment of the patients doing the work. Once a week a party is given at which times various games are played and refreshments served.

In addition to the work carried on in the Occupational Classes many patients are engaged in work on the farm, ward work, and various yard details, so that at present about 60 per cent. of the hospital population is daily employed.

### AMUSEMENT AND DIVERSION

The matter of supplying the patients with suitable amusement and diversion continues to receive special attention. In former reports attention was called to the fact that amusement and diversion, like occupation, was a very valuable supplement to the medical treatment of the mentally sick patient. It is, therefore, desirable to furnish amusements that will attract the interest of the patients; such amusements are not unlike those that are experienced in any outside community life, and are usually indulged in with a great deal of enthusiasm.

During the spring and summer months the patients were allowed to participate in baseball games practically every afternoon. When the weather is favorable, groups of patients are taken for long rides in the country by the Hospital trucks, and this is probably one of the most popular forms of diversion.

Every Thursday afternoon all patients attending Occupational Classes are given a party—games are played and refreshments served. The usual weekly dances, that are given for the entertainment of the patients, are largely attended and enjoyed. Music for the dances is furnished by the Hospital Orchestra. The Hospital Band also gave a number of open-air concerts during the spring and summer months. During a greater part of the year moving pictures were given once a week—the reels used were the same as those used in one of the leading moving picture theatres in the city—and from all appearances, furnished much amusement for the large number of patients assembled to see them.

On Tuesday of fair week about 400 patients visited the fair. They were taken down to the fair grounds in trucks and given an opportunity to visit the various exhibits.

During the month of October about 600 patients had the pleasure of seeing the circus parade of John Robinson's Circus.



On October 7th the annual field day events were held. Field day is always regarded as one of the greatest days in sports. At two P. M. about 500 patients assembled on the athletic field and watched with keen interest the carrying out of a program, consisting of various athletic contests. Refreshments were served and music furnished by the Hospital Band.

### RELIGIOUS SERVICES

All patients who are physically and mentally able have the privilege of attending devotional services every Sunday morning. The Chaplin, Rev. J. C. Abney, conducts these services and quite a large number of patients are present for each meeting. The manner in which the services are conducted, and the spirit manifested, is not unlike a devotional service that may be seen in any outside community life. Rev. Abney also attends the funeral of all patients buried in the hospital cemetery and administers the rite of a Christian burial.

### MEDICAL STAFF

Fortunately few changes have occurred in the Medical Staff during the past year, the only resignation being that of Dr. J. J. Chandler, who resigned September 15th, in order to take a position with the U. S. Public Health Service.

Dr. Coyt Ham, who comes from Olanta, S. C., was appointed assistant physician November 1st. Dr. Ham was assigned to the White Male Service.

During the summer months two medical students of the Johns Hopkins Medical School. Mr. George Cousar, and Mr. Lindsey Miller, acted as Clinical Assistants and rendered considerable service by assisting in the Laboratory.

### TRAINING SCHOOL FOR NURSES

Attention was called to the fact in last year's report that while the Training School continued to operate in a satisfactory manner, the progress of the school was greatly handicapped by not being able to procure a sufficient number of pupil nurses. It is gratifying to report that this difficulty has been overcome during the latter part of the past year. Many more applications are being received and the number in attendance now is about 40 per cent. more than last year.

Another creditable step in the progress of the school is the fact that the entrance requirements have been raised, thus pro-



moting a higher standard of efficiency, and the assurance that the school will be operated on a more effective basis. It is fully realized that a prime factor in the affairs of a mental hospital is the Training School for Nurses. The desirability of good nursing can not be overestimated, as so much depends upon the efficient nursing of the patients.

In addition to the regular lectures given by the different members of the Staff, much time is spent in practical instruction, so that each pupil nurse is required to pass a satisfactory examination on both theoretical and practical work before being allowed to graduate.

On January 1st Miss M. A. Callaham, was appointed Superintendent of Nurses. Miss Calaham succeeded Miss Elizabeth Clinkscales, who resigned in order to become Supervisor of Nurses of the Georgia State Baptist Hospital. Miss Mamie Campbell, assistant supervisor, resigned February 17th, to take a position as assistant supervisor in one of the Birmingham City Hospitals. On July 11th Miss Virginia Cromer resigned to become married. Mrs. Virginia Bickley Austin, who was formerly assistant supervisor, but resigned last year on account of domestic duties, was reappointed assistant supervisor August 1st. Mrs. Austin has since been transferred to the Dental Department, and Miss Beulah Gardner was appointed assistant supervisor September 22 to take Mrs. Austin's place. On April 1st Miss Frances Owens was appointed assistant supervisor. Miss Osceola Whisonant continues as night supervisor.

The graduating exercises for the class of 1921 were held in the Amusement Hall, June 9, 1921, at 8:00 P. M. The following program was carried out:

### PROGRAM

#### Prelude

Prayer ..... Rev. J. C. Abney

Chaplin of the Hospital

Address to Graduating Class ..... Rev. Hugh R. Murchinson

Executive Secretary, Columbia Theological Seminary

Music

Awarding Diplomas ..... Hon. Christie Benet

Member Board of Regents

Music

Music Furnished by Hospital Orchestra

Benediction ..... Rev. J. C. Abney



## IMPROVEMENTS

With the completion of the Taylor Building, which was finished during the month of February, and is now occupied by the white male patients, the work of remodeling the wards for white patients has been completed. Only those who were familiar with the condition of the buildings before the remodeling began can appreciate the striking contrast between the new and the old, and as was stated in last year's report, we feel that the people of South Carolina may feel justly proud of that part of the hospital used for the care of white patients.

During the year three deep wells were dug at State Park. The capacity of these wells is about one hundred gallons per minute, and is considered an adequate supply of water for the needs of all colored patients when moved to State Park. The construction of these wells supplies a great need, for the water supply prior to this time was entirely inadequate and had been a constant source of anxiety.

Another greatly needed improvement for State Park was the construction of an electric line from the city, so that the buildings at the Park are now equipped with a lighting system similar to those in Columbia.

## NEEDED IMPROVEMENTS

We greatly appreciate the fact that at this time of great financial stress, rigid economy, retrenchment, and reduction in waste, should receive special attention, and it is our policy at all times to enforce these methods in so far as the needs of the patients will permit. I feel, however, that it is my duty, as Superintendent of the Institution, to again call to your attention the urgent need for additional building and improvements in the quarters for negro patients. Under the existing conditions it is impossible to render to these people the aid they deserve. All of the buildings are overcrowded, are poorly ventilated, and some of them are badly decayed and hardly fit for human habitation. The danger of fire, with its fearful consequences, constantly confronts us. It is earnestly hoped that sufficient funds will be appropriated to relieve these conditions.



## VOLUNTARY COMMITMENT LAW

In the last year's report, under the paragraph entitled, "Changes in Law Governing the Hospital," it was stated that probably one of the most beneficial acts contained in the new law was the Voluntary Commitment Act. Under this act patients are allowed to enter the Hospital of their own volition, thereby eliminating the usual process of law which in many cases acts detrimentally, particularly when patients realize that they are being held by force of law. During the year quite a number of patients came to the Hospital, either alone or accompanied by some of their relatives, and were admitted as volunteer cases. With the exception of one patient, a deteriorated praecox, none of the volunteer cases requested that they leave the Hospital until it was advised by the Medical Staff. There is much to speak for the virtues of the act, and it is predicted that as the law becomes more generally known, many who are suffering from mental disorders, but who dislike the legal proceedings ordinarily involved in the commitment of patients, will come while the disorder is in its incipency, thereby greatly augmenting their chances for improvement.

## ACKNOWLEDGMENTS

In conclusion, I wish to extend my sincere thanks to the many friends of the hospital for cash donations given for the pleasure of the patients, also for books, magazines, and other articles sent in from time to time.

I wish to acknowledge my obligation to the officers and employees for their faithful service, making possible the successful workings in the different departments. To the members of the Consulting Staff who have given freely their time and talents I express my deep appreciation.

I wish especially to express my sincere appreciation to you, The Board of Regents, for the confidence imposed in me and your untiring interest in the affairs of the hospital which has been a constant stimulation for the best endeavor.

Respectfully submitted,

C. F. WILLIAMS,

Superintendent.



## STATISTICAL TABLES

## PSYCHOSES OF FIRST ADMISSIONS.

PSYCHOSES.	White Males.	Colored Males.	White Females.	Colored Females.	Total.
Senile psychoses, total	18	29	17	17	81
Simple deterioration	11	22	12	16	61
Presbyophrenic type	1	1			2
Delirious and confused states	3	3			6
Depressed and agitated states in addition to deterioration	2	2	3		7
Paranoid states in addition to deterioration	1		2	1	4
Pre-senile types		1			1
Psychoses with cerebral arteriosclerosis	24	11	9	1	45
General paralysis	7	21		2	30
Juvenile paralysis		1			1
Psychoses with cerebral syphilis	1			1	2
Psychoses with other brain or nervous diseases, total			1		1
Cerebral embolism			1		1
Alcoholic psychoses, total	8	1			9
Pathological intoxication		1			1
Delirium tremens	1				1
Acute hallucinosis	4				4
Korsakow's psychosis	2				2
Alcoholic deterioration	1				1
Psychoses due to drugs and other exogenous toxins, total	1	1	1	1	4
Opium (and derivatives), cocaine, bromides, chloral, etc., alone					
or combined	1	1	1	1	4
Psychoses with pellagra	7	7	10	17	41
Psychoses with other somatic diseases, total	5	14	5	9	33
Cardio-renal disease	5	14	2	8	29
Other diseases or conditions			3	1	4
Manic-depressive psychoses, total	21	13	23	20	77
Manic type	9	11	14	17	51
Depressive type	12	2	7	3	24
Mixed type			1		1
Circular type			1		1
Involution melancholia	3		4		7
Dementia praecox, total	48	49	65	61	223
Paranoid type	7	6	7	6	26
Katatonic type	5	5	9	2	21
Hebephrenic type	34	38	47	53	172
Simple type	2		2		4
Paranoia and paranoic conditions	1	3	3	1	8
Epileptic psychoses, total	13	15	16	7	51
Deterioration	9	9	14	3	35
Clouded states	3	6	2	4	15
Other conditions	1				1
Psychoneuroses and neuroses, total	3	2	5		10
Hysterical type	1	1	3		5
Neurasthenic type	2	1	2		5
Psychoses with constitutional psychopathic inferiority		1			1
Psychoses with mental deficiency	1	7	10	19	37
Undiagnosed psychoses	4	1	3		8
Not insane, total	29	14	14	14	71
Epilepsy without psychosis	1	6			7
Alcoholism without psychosis	2				2
Drug addiction without psychosis	1		1		2
Constitutional psychopathic inferiority without psychosis	3		1		4
Mental deficiency without psychosis	12	7	9	2	30
Others	10	1	3	8	22
Total	194	190	186	170	740



# AGE OF FIRST ADMISSIONS CLASSIFIED WITH REFERENCE TO PRINCIPAL PSYCHOSES.

White Race.

PSYCHOSES.	Total.	Under 15 Years.	15-19 Years.	20-24 Years.	25-29 Years.	30-34 Years.	35-39 Years.	40-44 Years.	45-49 Years.	50-54 Years.	55-59 Years.	60-64 Years.	65-69 Years.	70 Years and Over.	Unascertained.
Senile .....	18 17 35	.....	.....	.....	.....	.....	.....	.....	.....	1 .....	1 .....	1 .....	1 .....	3 1 4	3 3 6
With cerebral arteriosclerosis .....	24 9 33	.....	.....	.....	.....	1 .....	1 .....	1 .....	2 .....	2 1 .....	1 2 5 7	1 2 3	4 1 5	7 .....	7 5 1 6
General paralysis .....	7 .....	7 .....	.....	.....	.....	.....	1 .....	1 .....	2 .....	2 3 .....	3 1 .....	1 .....	.....	.....	.....
With cerebral syphilis .....	1 .....	1 .....	.....	1 .....	1 .....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
With other brain or nervous diseases .....	1 1 1	.....	1 1 .....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Alcoholic .....	8 .....	8 .....	.....	.....	.....	.....	4 .....	4 .....	1 .....	1 .....	1 .....	1 .....	.....	.....	.....
Due to drugs and other exogenous toxins .....	1 1 2	.....	.....	.....	.....	.....	.....	1 .....	1 2 .....	2 1 .....	1 .....	1 1 2	.....	.....	.....
With pellagra .....	7 10 17	.....	.....	3 3 .....	1 1 2	1 1 .....	1 2 3	1 2 .....	2 .....	2 1 .....	1 1 1 2	.....	1 .....	1 .....	.....
With other somatic diseases .....	5 5 10	.....	.....	.....	1 1 .....	.....	.....	1 1 .....	2 2 4	2 1 3	.....	1 1 3	1 1 2	2 .....	2 1 .....
Manic-depressive .....	21 23 44	.....	2 1 3	3 2 5	5 5 .....	1 3 4	4 4 4	3 7	4 1 5	2 4	2 1 3	1 1 2	2 .....	2 .....	.....
Involution melancholia .....	3 4 7	.....	.....	.....	.....	1 .....	1 .....	2 2	1 1 2	1 .....	1 1 1	.....	.....	.....	.....
Dementia precox .....	48 65 113	.....	4 6 10	12 11 23	5 14 19	5 12 17	7 9 16	5 7 12	5 2 7	2 3 5	2 .....	2 1 .....	1 .....	1 1 .....	.....
Paranoia or paranoid conditions .....	1 3 4	.....	.....	.....	.....	.....	.....	1 1 .....	1 .....	1 1 .....	.....	1 1 .....	.....	.....	.....
Epileptic psychoses .....	13 16 29	1 2 3	3 1 4	1 2 3	2 .....	2 1 4 5	1 3 4	1 3 4	3 .....	3 .....	.....	.....	1 1 .....	.....	.....
Psychoneuroses and neuroses .....	3 5 8	1 .....	1 .....	1 .....	1 .....	3 3 .....	1 .....	1 .....	1 1 .....	1 1 .....	.....	.....	.....	.....	.....
With mental deficiency .....	1 10 11	.....	5 5 .....	2 2 .....	1 1 .....	.....	.....	1 1 2	.....	1 1 .....	.....	.....	.....	.....	.....
Undiagnosed psychoses .....	4 3 7	.....	.....	.....	1 1 .....	1 1 2	2 .....	2 .....	1 1 .....	1 .....	.....	.....	.....	.....	.....
Not insane .....	29 14 43	4 4	4 3 7	7 3 10	5 .....	5 4 .....	4 2 .....	2 1 2 3	2 .....	2 1 1 2	.....	1 1 .....	1 1 .....	1 1 .....	1 .....
Total .....	194 186 380	2 6 8	13 17 30	25 23 48	13 26 39	13 21 34	21 18 39	18 25 43	25 7 32	15 14 29	8 6 14	10 5 15	14 4 18	17 14 31	.....



Colored Race.

[illegible]



DEGREE OF EDUCATION OF FIRST ADMISSIONS CLASSIFIED WITH REFERENCE TO  
PRINCIPAL PSYCHOSES

White Race.

PSYCHOSES.	Total.			Illiterate.			Reads and Writes.			Common School.			High School.			College.			Unac- tained.		
	M	F	T	M	F	T	M	F	T	M	F	T	M	F	T	M	F	T	M	F	T
Senile .....	18	17	35	3	4	7	3	5	8	9	7	16	1	1	1	1	1	1	2	1	3
With cerebral arterioscle- rosis .....	24	9	33	7	4	11	8	3	11	8	1	9	1	1	1	1	1	1	1	1	1
General paralysis .....	7	7	14	1	1	2	1	1	2	3	3	1	1	1	1	1	1	1	1	1	1
With cerebral syphilis .....	1	1	2	1	1	2	1	1	2	1	1	2	1	1	2	1	1	2	1	1	1
With other brain or ner- vous diseases .....	1	1	2	1	1	2	1	1	2	1	1	2	1	1	2	1	1	2	1	1	1
Alcoholic .....	8	8	16	1	1	2	1	1	2	1	1	2	1	1	2	1	1	2	1	1	1
Due to drugs and other exogenous toxins .....	1	1	2	1	1	2	1	1	2	1	1	2	1	1	2	1	1	2	1	1	1
With pellagra .....	7	10	17	3	3	6	2	4	6	6	6	12	1	1	2	1	1	2	1	1	1
With other somatic diseases .....	5	5	10	1	1	2	1	2	3	4	2	6	1	1	2	1	1	2	1	1	1
Manic-depressive .....	21	23	44	1	1	2	5	3	8	14	16	30	3	3	6	1	1	2	1	1	1
Involution melancholia .....	3	4	7	1	1	2	1	1	2	2	3	5	1	1	2	1	1	2	1	1	1
Dementia præcox .....	48	65	113	11	6	17	10	31	41	20	21	41	2	4	6	4	2	6	1	1	2
Paranoia or paranoid conditions .....	1	3	4	1	1	2	1	1	2	1	2	3	1	1	2	1	1	2	1	1	1
Epileptic psychoses .....	13	16	29	5	5	10	3	7	10	4	4	8	1	1	2	1	1	2	1	1	1
Psychoneuroses and neuroses .....	3	5	8	1	2	3	2	1	3	1	1	2	1	1	2	1	1	2	1	1	1
With mental deficiency ..	1	10	11	1	3	4	1	7	8	1	7	8	1	1	2	1	1	2	1	1	1
Undiagnosed psychoses ..	4	3	7	3	3	6	1	1	2	2	2	4	1	1	2	1	1	2	1	1	1
Not insane .....	29	14	43	13	7	20	4	4	8	10	2	12	2	2	4	1	1	2	1	1	1
Total.....	194	186	380	47	32	79	43	71	114	80	68	148	10	10	20	11	2	13	3	3	6

Colored Race.

Senile .....	29	17	46	29	17	46	1	1	2	1	1	2	1	1	2	1	1	2	1	1	1
With cerebral arterioscle- rosis .....	11	1	12	10	1	11	1	1	2	1	1	2	1	1	2	1	1	2	1	1	1
General paralysis .....	21	2	23	18	1	19	3	2	5	1	1	2	1	1	2	1	1	2	1	1	1
Juvenile paralysis .....	1	1	2	1	1	2	1	1	2	1	1	2	1	1	2	1	1	2	1	1	1
With cerebral syphilis .....	1	1	2	1	1	2	1	1	2	1	1	2	1	1	2	1	1	2	1	1	1
Alcoholic .....	1	1	2	1	1	2	1	1	2	1	1	2	1	1	2	1	1	2	1	1	1
Due to drugs and other exogenous toxins .....	1	1	2	1	1	2	1	1	2	1	1	2	1	1	2	1	1	2	1	1	1
With pellagra .....	7	17	24	6	9	15	1	8	9	1	8	9	1	1	2	1	1	2	1	1	1
With other somatic diseases .....	14	9	23	7	6	13	6	2	8	1	1	2	1	1	2	1	1	2	1	1	1
Manic-depressive .....	13	20	33	3	12	15	8	8	16	1	1	2	1	1	2	1	1	2	1	1	1
Dementia præcox .....	49	61	110	30	33	63	18	21	39	1	2	3	1	1	2	1	1	2	1	1	1
Paranoia or paranoid conditions .....	3	1	4	1	1	2	1	1	2	1	1	2	1	1	2	1	1	2	1	1	1
Epileptic psychoses .....	15	7	22	15	6	21	1	1	2	1	1	2	1	1	2	1	1	2	1	1	1
Psychoneuroses and neuroses .....	2	2	4	1	1	2	1	1	2	1	1	2	1	1	2	1	1	2	1	1	1
With constitutional psycho- pathic inferiority .....	1	1	2	1	1	2	1	1	2	1	1	2	1	1	2	1	1	2	1	1	1
With mental deficiency ..	7	19	26	5	12	17	1	5	6	1	1	2	1	1	2	1	1	2	1	1	1
Undiagnosed psychoses ..	1	1	2	1	1	2	1	1	2	1	1	2	1	1	2	1	1	2	1	1	1
Not insane .....	14	14	28	14	10	24	2	2	4	1	1	2	1	1	2	1	1	2	1	1	1
Total.....	190	170	360	142	107	249	42	50	92	5	5	10	1	1	2	1	1	2	1	1	1



ENVIRONMENT OF FIRST ADMISSIONS CLASSIFIED WITH REFERENCE TO PRINCIPAL PSYCHOSES.

White Race.

PSYCHOSES.	Total.			Urban.			Rural.			Unascertained.		
	M	F	T	M	F	T	M	F	T	M	F	T
Senile .....	18	17	35	4	6	10	14	11	25	.....	.....	.....
With cerebral arteriosclerosis .....	24	9	33	8	3	11	16	6	22	.....	.....	.....
General paralysis .....	7	.....	7	5	.....	5	2	.....	2	.....	.....	.....
With cerebral syphilis .....	1	.....	1	.....	.....	.....	1	.....	1	.....	.....	.....
With other brain or nervous diseases .....	.....	1	1	.....	.....	.....	.....	1	1	.....	.....	.....
Alcoholic .....	8	.....	8	4	.....	4	4	.....	4	.....	.....	.....
Due to drugs and other exogenous toxins .....	1	1	2	.....	1	1	1	.....	1	.....	.....	.....
With pellagra .....	7	10	17	1	2	3	6	8	14	.....	.....	.....
With other somatic diseases .....	5	5	10	1	2	3	4	3	7	.....	.....	.....
Manic-depressive .....	21	23	44	5	7	12	16	16	32	.....	.....	.....
Involution melancholia .....	3	4	7	2	1	3	1	3	4	.....	.....	.....
Dementia Præcox .....	48	65	113	11	20	31	36	45	81	1	.....	1
Paranoia or paranoic conditions .....	1	3	4	.....	1	1	1	2	3	.....	.....	.....
Epileptic psychoses .....	13	16	29	5	3	8	8	13	21	.....	.....	.....
Psychoneuroses and neuroses .....	3	5	8	.....	1	1	3	4	7	.....	.....	.....
With mental deficiency .....	1	10	11	.....	4	1	1	6	7	.....	.....	.....
Undiagnosed psychoses .....	4	3	7	.....	1	1	4	2	6	.....	.....	.....
Not insane .....	29	14	43	9	4	13	20	10	30	.....	.....	.....
Total .....	194	186	380	55	56	111	138	130	268	1	.....	1

Colored Race.

Senile .....	29	17	46	5	5	10	24	12	36	.....	.....	.....
With cerebral arteriosclerosis .....	11	1	12	4	1	5	7	.....	7	.....	.....	.....
General paralysis .....	21	2	23	6	2	8	15	.....	15	.....	.....	.....
Juvenile paralysis .....	1	.....	1	.....	.....	.....	1	.....	1	.....	.....	.....
With cerebral syphilis .....	.....	1	1	.....	1	1	.....	.....	.....	.....	.....	.....
Alcoholic .....	1	.....	1	1	.....	1	.....	.....	.....	.....	.....	.....
Due to drugs and other exogenous toxins .....	1	1	2	1	1	2	.....	.....	.....	.....	.....	.....
With pellagra .....	7	17	24	1	3	4	6	14	20	.....	.....	.....
With other somatic diseases .....	14	9	23	3	4	7	11	5	16	.....	.....	.....
Manic-depressive .....	13	20	33	2	5	7	11	15	26	.....	.....	.....
Dementia præcox .....	49	61	110	7	24	31	42	37	79	.....	.....	.....
Paranoia or paranoic conditions .....	3	1	4	1	1	2	2	.....	2	.....	.....	.....
Epileptic psychoses .....	15	7	22	1	4	5	14	3	17	.....	.....	.....
Psychoneuroses and neuroses .....	2	.....	2	1	.....	1	1	.....	1	.....	.....	.....
With constitutional psychopathic inferiority .....	1	.....	1	.....	.....	.....	1	.....	1	.....	.....	.....
With mental deficiency .....	7	19	26	.....	4	4	7	15	22	.....	.....	.....
Undiagnosed psychoses .....	1	.....	1	.....	.....	.....	1	.....	1	.....	.....	.....
Not insane .....	14	14	28	.....	3	3	14	11	26	.....	.....	.....
Total .....	190	170	360	33	58	91	157	112	269	.....	.....	.....



**USE OF ALCOHOL BY FIRST ADMISSIONS CLASSIFIED WITH REFERENCE TO  
PRINCIPAL PSYCHOSES.**

**White Race.**

PSYCHOSES.	Total.			Abstinent.			Temperate.			Intemperate.			Unascertained.		
	M	F	T	M	F	T	M	F	T	M	F	T	M	F	T
Senile .....	18	17	35	3	17	20	12	...	12	1	...	1	2	...	2
With cerebral arteriosclerosis .....	24	9	33	3	9	12	15	...	15	4	...	4	2	...	2
General paralysis .....	7	...	7	...	...	...	4	...	4	3	...	3	...	...	...
With cerebral syphilis .....	1	...	1	...	...	...	...	...	...	1	...	1	...	...	...
With other brain or nervous diseases .....	...	1	1	...	1	1	...	...	...	...	...	...	...	...	...
Alcoholic .....	8	...	8	...	...	...	...	...	...	8	...	8	...	...	...
Due to drugs and other exogenous toxins .....	1	1	2	...	1	1	...	...	...	1	...	1	...	...	...
With pellagra .....	7	10	17	...	8	8	7	...	7	...	...	...	2	...	2
With other somatic diseases .....	5	5	10	...	5	5	4	...	4	1	...	1	...	...	...
Manic-depressive .....	21	23	44	5	21	26	12	...	12	3	2	5	1	...	1
Involution melancholia .....	3	4	7	2	3	5	1	...	1	...	...	...	1	...	1
Dementia præcox .....	48	65	113	7	61	68	31	...	31	9	1	10	1	3	4
Paranoia or paranoid conditions .....	1	3	4	1	3	4	...	...	...	1	...	...	...	...	...
Epileptic psychoses .....	13	16	29	3	14	17	9	...	9	1	2	3	...	...	...
Psychoneuroses and neuroses .....	3	5	8	1	5	6	1	...	1	1	...	1	...	...	...
With mental deficiency ..	1	10	11	...	10	10	...	...	...	1	...	1	...	...	...
Undiagnosed psychoses ..	4	3	7	...	2	2	1	...	1	2	1	3	...	...	1
Not insane .....	29	14	43	10	13	23	9	...	9	9	1	10	1	...	1
Total .....	194	186	380	35	173	208	106	...	106	45	7	52	8	6	14

**Colored Race.**

Senile .....	29	17	46	1	16	17	25	...	25	1	...	1	2	1	3
With cerebral arteriosclerosis .....	11	1	12	...	1	1	10	...	10	1	...	1	...	...	...
General paralysis .....	21	2	23	...	2	2	20	...	20	1	...	1	...	...	...
Juvenile paralysis .....	1	...	1	1	...	1	...	...	...	...	...	...	...	...	...
With cerebral syphilis .....	...	1	1	...	...	...	1	...	1	...	...	...	...	...	...
Alcoholic .....	1	...	1	...	...	...	...	...	...	1	...	1	...	...	...
Due to drugs and other exogenous toxins .....	1	1	2	...	1	1	1	...	1	...	...	...	...	...	...
With pellagra .....	7	17	24	...	17	17	7	...	7	...	...	...	...	...	...
With other somatic diseases .....	14	9	23	...	9	9	14	...	14	...	...	...	...	...	...
Manic-depressive .....	13	20	33	...	19	19	13	...	13	...	1	1	...	...	...
Dementia præcox .....	49	61	110	5	61	66	43	...	43	1	...	1	...	...	...
Paranoia or paranoid conditions .....	3	1	4	...	1	1	3	...	3	...	...	...	...	...	...
Epileptic psychoses .....	15	7	22	3	7	10	12	...	12	...	...	...	...	...	...
Psychoneuroses and neuroses .....	2	...	2	1	...	1	1	...	1	...	...	...	...	...	...
With constitutional psychopathic inferiority ..	1	...	1	...	...	...	1	...	1	...	...	...	...	...	...
With mental deficiency ..	7	19	26	...	1	19	20	...	6	...	...	...	...	...	...
Undiagnosed psychoses ..	1	...	1	...	...	...	1	...	1	...	...	...	...	...	...
Not insane .....	14	14	28	6	14	20	8	...	8	...	...	...	...	...	...
Total .....	190	170	360	18	167	185	165	1	166	5	1	6	2	1	3



MARITAL CONDITION OF FIRST ADMISSIONS CLASSIFIED WITH REFERENCE TO  
PRINCIPAL PSYCHOSES.

White Race.

PSYCHOSES.	Total.			Single.			Married.			Widowed.			Separated.			Divorced.			Unascertained.		
	M	F	T	M	F	T	M	F	T	M	F	T	M	F	T	M	F	T	M	F	T
Senile .....	18	17	35	3	5	8	10	2	12	5	10	15	...	...	...	...	...	...	...	...	...
With cerebral arteriosclerosis .....	24	9	33	...	1	1	17	4	21	6	3	9	1	1	2	...	...	...	...	...	...
General paralysis .....	7	...	7	1	...	1	5	...	5	...	...	...	...	...	...	...	...	...	1	...	1
With cerebral syphilis .....	1	...	1	1	...	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
With other brain or nervous diseases .....	...	1	1	...	1	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Alcoholic .....	8	...	8	1	...	1	6	...	6	...	...	...	...	...	...	1	...	1	...	...	...
Due to drugs and other exogenous toxins .....	1	1	2	...	...	...	1	...	1	...	1	1	...	...	...	...	...	...	...	...	...
With pellagra .....	7	10	17	2	3	5	4	6	10	1	1	2	...	...	...	...	...	...	...	...	...
With other somatic diseases .....	5	5	10	2	1	3	2	4	6	1	...	1	...	...	...	...	...	...	...	...	...
Manic-depressive .....	21	23	44	7	2	9	12	19	31	2	1	3	...	1	1	...	...	...	...	...	...
Involution melancholia .....	3	4	7	...	...	1	2	2	4	...	2	2	...	...	...	...	...	...	...	...	...
Dementia praecox .....	48	65	113	29	21	50	15	39	54	1	2	3	1	2	3	1	1	2	1	...	1
Paranoia or paranoic conditions .....	1	3	4	...	1	1	1	2	3	...	...	...	...	...	...	...	...	...	...	...	...
Epileptic psychoses .....	13	16	29	8	10	18	3	4	7	2	2	4	...	...	...	...	...	...	...	...	...
Psychoneuroses and neuroses .....	3	5	8	2	1	3	1	4	5	...	...	...	...	...	...	...	...	...	...	...	...
With mental deficiency .....	1	10	11	...	7	7	1	1	2	...	...	...	...	2	2	...	...	...	...	...	...
Undiagnosed psychoses .....	4	3	7	...	...	1	2	2	4	1	1	2	...	...	...	...	...	...	...	...	...
Not insane .....	29	14	43	17	9	26	10	2	12	1	1	2	1	2	3	...	...	...	...	...	...
Total .....	194	186	380	75	62	137	92	91	183	20	24	44	3	8	11	2	1	3	2	...	2

Colored Race.

Senile .....	29	17	46	4	1	5	13	2	15	9	12	21	...	...	...	...	...	...	3	2	5	
With cerebral arteriosclerosis .....	11	1	12	2	...	2	8	...	8	1	...	1	...	...	...	...	...	...	1	1	1	
General paralysis .....	21	2	23	...	...	...	16	1	17	3	1	4	1	...	1	...	...	...	1	...	1	
Juvenile paralysis .....	1	...	1	1	...	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	
With cerebral syphilis .....	...	1	1	...	...	...	...	1	1	...	...	...	...	...	...	...	...	...	...	...	...	
Alcoholic .....	1	...	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	1	
Due to drugs and other exogenous toxins .....	1	1	2	...	...	...	1	...	1	...	...	...	...	...	...	...	...	...	...	1	1	
With pellagra .....	7	17	24	3	5	8	2	7	9	2	2	4	...	1	1	...	...	...	2	...	2	
With other somatic diseases .....	14	9	23	2	3	5	9	5	14	...	...	2	2	1	...	1	...	...	...	1	1	
Manic-depressive .....	13	20	33	5	3	8	5	13	18	2	2	4	...	...	...	...	...	...	1	2	3	
Dementia praecox .....	49	61	110	17	8	25	26	38	64	...	7	7	5	...	5	...	...	...	1	8	9	
Paranoia or paranoic conditions .....	3	1	4	...	...	...	1	1	2	2	...	2	...	...	...	...	...	...	...	...	...	
Epileptic psychoses .....	15	7	22	10	5	15	3	1	4	...	1	1	1	...	1	...	...	...	1	...	1	
Psychoneuroses and neuroses .....	2	...	2	...	...	...	1	...	1	...	...	...	1	...	1	...	...	...	...	...	...	
With constitutional psychopathic inferiority .....	1	...	1	...	...	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	
With mental deficiency .....	7	19	26	6	10	16	1	6	7	...	...	...	...	1	1	...	2	2	...	...	...	
Undiagnosed psychoses .....	1	...	1	1	...	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	
Not insane .....	14	14	28	12	8	20	2	4	6	...	2	2	...	...	...	...	...	...	...	...	...	
Total .....	190	170	300	64	43	107	88	79	167	21	27	48	9	2	11	...	2	2	...	8	17	25



## PSYCHOSES OF READMISSIONS.

PSYCHOSES.	White Males.	Colored Males.	White Females.	Colored Females.	Total
Senile psychoses, total .....	...	2	...	2	4
Simple deterioration .....	...	...	...	1	1
Depressed and agitated states in addition to deterioration .....	...	2	...	1	3
Psychoses with cerebral arteriosclerosis .....	1	...	2	1	4
General paralysis .....	...	1	...	...	1
Alcoholic psychoses, total .....	1	...	...	...	1
Alcoholic deterioration .....	1	...	...	...	1
Psychoses with pellagra .....	2	...	2	...	4
Manic-depressive psychoses, total .....	20	10	11	18	59
Manic type .....	15	9	8	18	50
Depressive type .....	5	1	3	...	9
Dementia praecox, total .....	23	15	23	19	80
Paranoid type .....	5	2	3	2	12
Katatonic type .....	2	11	1	1	15
Hebephrenic type .....	16	...	19	15	50
Simple type .....	...	2	...	1	3
Paranoia and paranoid conditions .....	...	...	1	...	1
Epileptic psychoses, total .....	5	3	3	...	11
Deterioration .....	5	1	2	...	8
Other conditions .....	...	2	1	...	3
Psychoneuroses and neuroses, total .....	1	...	2	...	3
Hysterical type .....	1	...	2	...	3
Psychoses with constitutional psychopathic inferiority .....	...	...	2	1	3
Psychoses with mental deficiency .....	1	1	4	4	10
Undiagnosed psychoses .....	1	...	...	...	1
Not insane, total .....	13	2	1	...	16
Alcoholism without psychosis .....	1	...	...	...	1
Drug addiction without psychosis .....	2	...	...	...	2
Constitutional psychopathic inferiority without psychosis .....	2	...	...	...	2
Mental deficiency without psychosis .....	3	2	1	...	6
Others .....	5	...	...	...	5
Total .....	68	34	51	45	198



DISCHARGE OF PATIENTS CLASSIFIED WITH REFERENCE TO PRINCIPAL PSYCHOSES  
AND CONDITION ON DISCHARGE.

White Race.

PSYCHOSES.	Total.			Recovered.			Improved.			Unimproved.			Not insane.		
	M	F	T	M	F	T	M	F	T	M	F	T	M	F	T
Senile .....	5	4	9	...	...	...	3	4	7	2	...	2	...	...	...
With cerebral arteriosclerosis .....	7	3	10	...	...	...	6	1	7	1	2	3	...	...	...
With other brain or nervous diseases .....	1	...	1	...	...	...	1	...	1	...	...	...	...	...	...
Alcoholic .....	9	...	9	8	...	...	1	...	1	...	...	...	...	...	...
With pellagra .....	1	3	3	1	3	3	...	...	...	...	...	...	...	...	...
With other somatic diseases .....	1	2	3	1	1	2	...	1	1	...	...	...	...	...	...
Manic-depressive .....	14	21	35	13	21	34	1	...	1	...	...	...	...	...	...
Involution melancholia .....	2	2	4	2	2	4	...	...	...	...	...	...	...	...	...
Dementia praecox .....	46	58	104	...	...	...	43	58	101	3	...	3	...	...	...
Paranoia or paranoid conditions .....	1	1	1	...	...	...	1	1	...	...	...	...	...	...	...
Epileptic psychoses .....	9	4	13	1	...	...	5	1	6	3	3	6	...	...	...
Psychoneuroses and neuroses .....	2	7	9	1	2	3	1	4	5	...	1	1	...	...	...
With constitutional psychopathic inferiority .....	1	...	1	...	...	...	1	...	1	...	...	...	...	...	...
With mental deficiency .....	6	10	16	6	10	16	...	...	...	...	...	...	...	...	...
Undiagnosed psychoses .....	4	2	6	...	1	1	2	1	3	2	...	2	...	...	...
Not insane .....	37	14	51	...	...	...	...	...	...	...	...	...	37	14	51
Total .....	144	131	275	32	40	72	64	71	135	11	6	17	37	14	51

Colored Race.

Senile .....	...	4	4	...	...	...	...	4	4	...	...	...	...	...	...
With cerebral arteriosclerosis .....	1	2	3	...	...	...	1	2	3	...	...	...	...	...	...
General paralysis .....	1	1	2	...	...	...	...	...	...	1	1	2	...	...	...
With Huntington's Chorea .....	...	1	1	...	1	1	...	...	...	...	...	...	...	...	...
Alcoholic .....	1	...	1	1	...	1	...	...	...	...	...	...	...	...	...
Due to drugs and other exogenous toxins .....	1	...	1	1	...	1	...	...	...	...	...	...	...	...	...
With other somatic diseases .....	1	1	2	1	...	1	...	1	1	...	...	...	...	...	...
Manic-depressive .....	18	21	39	18	21	39	...	...	...	...	...	...	...	...	...
Dementia praecox .....	34	64	98	...	...	...	34	64	98	...	...	...	...	...	...
Epileptic psychoses .....	6	1	7	3	...	3	3	1	4	...	...	...	...	...	...
Psychoneuroses and neuroses .....	1	...	1	1	...	1	...	...	...	...	...	...	...	...	...
With constitutional psychopathic inferiority .....	2	1	3	2	1	3	...	...	...	...	...	...	...	...	...
With mental deficiency .....	5	10	15	5	10	15	...	...	...	...	...	...	...	...	...
Undiagnosed psychoses .....	...	1	1	...	...	...	1	1	...	...	...	...	...	...	...
Not insane .....	5	8	13	...	...	...	...	...	...	...	...	...	5	8	13
Total .....	76	115	191	32	33	65	38	73	111	1	1	2	5	8	13



**CAUSES OF DEATH OF PATIENTS WITH REFERENCE TO PRINCIPAL PSYCHOSES.**  
**White Race.**

CAUSES OF DEATH.	Total.	Senile.	With cerebral arteriosclerosis.	General paralysis.	Alcoholic.	Manic-depressive.	Involunt. melancholia.	Dementia precox.	Paranoia or paranoic conditions.	Epileptic psychoses.	Psychoneuroses and neuroses.	With constitutional psychopathic inferiority.	With mental deficiency.	* All other psychoses.
<b>General Diseases:</b>														
Dysentery .....	3	1	1							1	1			9
Pellagra .....	12	15						1	1					
Tuberculosis of lungs .....	7	14	1	1				3	6	9	1	1	2	
Cancer .....	2	2	1	1				1	1					1
Other general diseases .....	1	1	2		1	1							1	1
<b>Nervous System:</b>														
Apoplexy—cerebral hemorrhage .....	5	2	7	2	2	1	3							
General paralysis of insane .....	3	3			3	3								
Exhaustion from other mental diseases .....	1	4	5					1	4	5				
Epilepsy .....	4	4	8					1	1	2		3	3	6
<b>Circulatory System:</b>														
Chronic myocarditis .....	10	1	11	1	1	1		2	2					
Chronic endocarditis .....	1	1												
Arteriosclerosis .....	12	19	31	6	13	19	4	3	7					
Other diseases of circulatory system .....	1	1						1	1					
<b>Respiratory System:</b>														
Bronchopneumonia .....	2	1	3	1	1	2								1
Lobar pneumonia .....	3	3	1	1	1			1	1					1
<b>Digestive System:</b>														
Ulcer of stomach .....	1	1						1	1					
Other diseases of intestines .....	2	1	3					2	1	3				
<b>Genito-Urinary System:</b>														
Chronic nephritis .....	2	3	5	1	1	1	1							2
Other diseases of kidneys and annexa .....	1	1	1					1	1					3
<b>Total .....</b>	<b>58</b>	<b>59</b>	<b>117</b>	<b>12</b>	<b>15</b>	<b>27</b>	<b>8</b>	<b>5</b>	<b>13</b>	<b>3</b>	<b>3</b>	<b>1</b>	<b>1</b>	<b>18</b>

\* Includes group 22 "Not Insane."



Colored Race.

[illegible]

\* Includes group 22 "Not Insane."



AGE OF PATIENTS AT TIME OF DEATH CLASSIFIED WITH REFERENCE TO PRINCIPAL PSYCHOSES.  
White Race.

PSYCHOSES.	Total.			Under 15 years.			15-19 years.			20-24 years.			25-29 years.			30-34 years.			35-39 years.			40-44 years.			45-49 years.			50-54 years.			55-59 years.			60-64 years.			65-69 years.			70 years and over.			Unascertained.									
	M	F	T	M	F	T	M	F	T	M	F	T	M	F	T	M	F	T	M	F	T	M	F	T	M	F	T	M	F	T	M	F	T	M	F	T	M	F	T	M	F	T										
Senile .....	12	15	27																																																	
With cerebral arteriosclerosis .....	8	5	13																1		1					1	1	1	1	2	1	2	3	2		2					3	1	4									
General paralysis .....	3		3																		1		1			1		1																								
Alcoholic .....	1		1																			1		1			1																									
With pellagra .....	2	7	9								2	2		1		1		1	1		2	2		1	1		1																									
With other somatic diseases .....	1	2	3																																																	
Manic-depressive .....	2		2																																																	
Involution melancholia .....	1	1	2																																																	
Dementia præcox .....	18	18	36								2		2						2	5	7	2	2	4			1	1	4	2	6	2	3	5	1	2	3		1	1	1		1		1	1	2	2		2		
Paranoia or paranoic conditions .....	1		1																																																	
Epileptic psychoses .....	6	5	11								2		2						1		1						2	2		1	1	2	1	3						1	1	2										
Psychoneuroses and neuroses .....		1	1																		1	1																														
With mental deficiency .....		2	2																								1	1																								
Not insane .....	3	3	6			2	2							1		1		1	1	2								1		1																						
Total.....	58	59	117	...	2	2	3	...	3	3	2	5	4	6	10	3	3	6	1	6	7	5	5	10	6	6	12	5	4	9	6	5	11	5	5	10	5	3	8	10	12	22	2	...	2							



AGE OF PATIENTS AT TIME OF DEATH CLASSIFIED WITH REFERENCE TO PRINCIPAL PSYCHOSES.  
Colored Race.

PSYCHOSES.	Total.			Under 15 years.			15-19 years.			20-24 years.			25-29 years.			30-34 years.			35-39 years.			40-44 years.			45-49 years.			50-54 years.			55-59 years.			60-64 years.			65-69 years.			70 years and over.			Unascertained.		
	M	F	T	M	F	T	M	F	T	M	F	T	M	F	T	M	F	T	M	F	T	M	F	T	M	F	T	M	F	T	M	F	T	M	F	T	M	F	T	M	F	T			
Senile .....	30	10	40	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	1	1	1	2	5	...	5	7	3	10	16	6	22	...	...	...				
With cerebral arteriosclerosis .....	4	1	5	...	...	...	...	...	...	...	...	...	...	...	1	...	1	1	1	2	1	...	1	...	1	...	...	...	...	...	...	...	...	...	...	1	...	1	...	...	...	...			
General paralysis .....	14	2	16	...	...	...	...	...	...	...	...	...	...	1	...	1	2	...	2	3	1	4	3	...	3	2	1	3	2	...	2	...	...	...	...	1	...	1	...	...	...				
With Huntington's chorea .....	1	...	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...				
With pellagra .....	2	7	9	...	...	...	...	...	...	1	...	1	...	...	...	1	1	...	3	3	...	...	...	...	...	...	1	1	...	2	2	1	...	1	...	...	...	...	...	...	...				
With other somatic diseases .....	8	7	15	...	...	...	...	...	1	...	1	...	1	1	1	...	1	1	3	4	...	...	...	2	1	3	1	...	1	1	...	1	2	3	...	...	...	...	...	...					
Manic-depressive .....	2	10	12	...	1	1	...	2	2	5	4	9	4	9	13	4	9	13	6	9	15	5	3	8	1	3	4	...	3	3	...	...	1	1	2	...	...	1	...	1	...				
Dementia præcox .....	27	44	71	...	...	...	1	...	2	2	5	4	9	4	9	13	4	9	13	6	9	15	5	3	8	1	3	4	...	3	3	...	...	1	1	2	...	...	1	...	1	...			
Epileptic psychoses .....	11	...	11	...	...	...	1	...	1	4	...	4	3	...	3	...	...	...	...	...	...	1	...	1	...	...	...	2	...	2	...	...	...	...	...	...	...	...	...	...	...				
With constitutional psychopathic inferiority .....	...	1	1	...	...	...	...	...	...	...	...	...	...	...	...	...	1	1	...	1	1	...	...	...	1	1	...	1	1	...	...	...	...	...	...	...	...	...	...	...	...				
With mental deficiency .....	1	2	3	...	...	...	...	...	...	...	...	...	1	1	...	...	...	...	1	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...				
Not insane .....	7	5	12	1	...	1	...	2	2	3	1	4	...	...	...	1	...	1	1	...	1	...	1	1	1	1	1	2	...	...	...	...	...	...	...	...	...	...	...	...	...				
Total.....	107	89	196	1	1	2	1	6	7	14	7	21	7	11	18	9	12	21	12	16	28	11	6	17	8	8	16	6	6	12	4	3	7	8	3	11	7	3	10	19	6	25	...	1	1



**TOTAL DURATION OF HOSPITAL LIFE OF PATIENTS DYING IN HOSPITAL CLASSIFIED ACCORDING TO PRINCIPAL PSYCHOSES.**  
**White Race.**

PSYCHOSES.	Total.			Less than 1 month.			1-3 months.			4-7 months.			8-12 months.			1-2 years.			3-4 years.			5-6 years.			7-8 years.			9-10 years.			11-12 years.			13-14 years.			15-19 years.			20 years and over.					
	M	F	T	M	F	T	M	F	T	M	F	T	M	F	T	M	F	T	M	F	T	M	F	T	M	F	T	M	F	T	M	F	T	M	F	T	M	F	T						
Senile .....	12	15	27	3	2	5	3	1	4	5	1	6	...	5	5	...	2	2	1	2	3	...	1	1	...	...	...	...	...	...	...	...	1	1	...	...	...	...	...	...					
With cerebral arteriosclerosis.....	8	5	13	4	...	4	1	2	3	3	...	3	...	1	1	...	1	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	1	...	...	...	...	...					
General paralysis .....	3	...	3	...	...	...	1	...	1	...	...	...	...	1	...	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	1	...	...	...	...					
Alcoholic .....	1	...	1	...	...	...	1	...	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...				
With pellagra .....	2	7	9	2	6	8	...	1	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...				
With other somatic diseases.....	1	2	3	1	...	1	...	2	2	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...				
Manic-depressive .....	2	...	2	1	...	1	...	1	...	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...				
Involution melancholia .....	1	1	2	...	...	...	...	...	...	1	1	2	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...			
Dementia praecox .....	18	18	36	2	2	4	5	3	8	2	1	3	...	2	2	2	1	3	2	1	3	1	...	1	...	1	1	1	...	1	...	1	1	2	1	4	5	1	2	3	...	...			
Paranoia or paranoic conditions.....	1	...	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...			
Epileptic psychoses .....	6	5	11	...	1	1	1	...	1	1	...	1	...	1	1	3	...	3	...	...	1	...	1	...	...	...	...	...	...	...	...	...	...	...	...	1	1	...	...	2	2	...	...		
Psychoneuroses and neuroses.....	...	1	1	...	...	...	...	...	...	...	...	...	...	...	...	1	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...		
With mental deficiency.....	...	2	2	...	...	...	...	...	...	...	...	...	...	...	...	1	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...		
Not insane .....	3	3	6	1	1	2	...	1	1	1	...	1	...	...	...	1	1	...	...	...	...	...	...	...	1	...	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Total.....	58	59	117	14	12	26	13	10	23	13	3	16	...	9	9	6	7	13	3	3	6	2	1	3	2	1	3	1	...	1	...	...	...	2	2	4	1	6	7	1	5	6	...	...	



## TOTAL DURATION OF HOSPITAL LIFE OF PATIENTS DYING IN HOSPITAL CLASSIFIED ACCORDING TO PRINCIPAL PSYCHOSES.—Continued.

Colored Race.

PSYCHOSES.	Total.		Less than 1 month.			1-3 months.			4-7 months.			8-12 months.			1-2 years.			3-4 years.			5-6 years.			7-8 years.			9-10 years.			11-12 years.			13-14 years.			15-19 years.			20 years and over.			
	M	F	T	M	F	T	M	F	T	M	F	T	M	F	T	M	F	T	M	F	T	M	F	T	M	F	T	M	F	T	M	F	T	M	F	T						
Senile .....	30	10	40	13	2	15	3	3	6	6	...	6	1	...	1	2	3	3	1	4	1	...	1	...	2	...	...	...	...	...	...	...	...	1	1	...	1	1				
With cerebral arteriosclerosis .....	4	1	5	2	1	3	1	...	1	...	...	...	...	...	...	1	1	2	...	1	1	1	...	1	...	1	...	...	...	...	...	...	...	...	...	...						
General paralysis .....	14	2	16	3	...	3	4	...	4	5	...	5	...	...	...	1	1	2	...	1	1	1	...	1	...	1	...	...	...	...	...	...	...	...	...	...						
With Huntington's chorea .....	1	...	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...						
With pellagra .....	2	7	9	2	3	5	...	3	3	...	...	...	...	...	...	...	...	...	1	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...						
With other somatic diseases .....	8	7	15	4	6	10	4	1	5	...	...	...	...	...	...	...	...	...	1	...	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...						
Manic-depressive .....	2	10	12	1	4	5	...	2	2	...	...	...	...	...	...	1	...	1	...	1	1	...	1	1	...	1	1	...	...	...	...	2	1	1	...	...						
Dementia præcox .....	27	44	71	6	3	9	2	9	11	2	4	6	1	3	4	6	11	17	4	5	9	5	5	1	2	3	1	...	1	...	...	2	1	3	1	...	1					
Epileptic psychoses .....	11	...	11	2	...	2	...	...	...	2	...	2	...	...	...	2	...	2	3	...	3	1	...	1	...	...	1	...	1	...	...	...	...	2	1	3						
With constitutional psycho- pathic inferiority .....	...	1	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...						
With mental deficiency .....	1	2	3	...	...	...	...	...	...	...	...	...	...	...	...	1	2	3	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...						
Not insane .....	7	5	12	3	...	3	1	1	2	2	2	4	...	...	...	...	2	2	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	1	...	...						
Total .....	107	89	196	36	19	55	15	19	34	17	6	23	2	3	5	12	18	30	11	10	21	3	6	9	4	3	7	2	...	2	...	...	...	3	2	5	1	1	2	1	2	3



# AGES AND DURATION IN HOSPITAL, OF THOSE DYING OF PELLAGRA.

	Total.				14-19 Years.			20-24 Years.			25-29 Years.			30-34 Years.			35-39 Years.			40-44 Years.			45-49 Years.			50-54 Years.			55-59 Years.			60-65 Years.			Unascertained.																									
	W.	M.	W.	F.	C.	M.	C.	F.	Total.	W.	M.	W.	F.	C.	M.	C.	F.	Total.	W.	M.	W.	F.	C.	M.	C.	F.	Total.	W.	M.	W.	F.	C.	M.	C.	F.	Total.	W.	M.	W.	F.	C.	M.	C.	F.	Total.															
Less than one month.....	2	6	5	8	21	..	..	..	1	1	..	1	3	1	4	1	..	..	3	6	..	1	1	1	..	1	1	..	1	1	1	1	3	..	2	1	3	..	..	..	..	..	..	..	..	..	..	..												
One to three months.....	1	3	1	11	16	..	1	..	1	..	1	1	2	3	3	1	..	..	1	1	3	5	..	1	1	..	1	1	..	1	1	1	1	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..												
Four to seven months.....	1	1	2	4	..	..	..	..	..	..	..	..	..	1	1	..	..	..	2	2	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..												
Four to seven months.....	..	..	1	1	..	..	..	..	1	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..												
Eight to twelve months.....	1	1	4	6	..	..	..	..	..	..	..	..	1	2	3	..	..	..	1	2	2	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..												
One to two years.....	..	..	2	2	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..												
Three to four years.....	..	..	1	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..												
Five to six years.....	..	..	1	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..												
Seven to ten years.....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..												
Eleven to twelve years.....	1	1	2	..	..	..	..	..	..	..	..	..	1	..	1	..	..	..	2	1	3	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..											
Thirteen to fourteen years.....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..										
Over twenty years.....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..										
Total.....	3	12	8	31	54	..	1	..	2	3	..	2	3	1	6	1	2	..	6	9	1	..	1	4	6	..	4	1	9	14	..	2	2	1	4	..	..	..	2	2	..	..	2	2	1	1	..	2	4	..	..	..	2	1	3	..	..	..	1	1



COMPARISON OF DEATHS OF PELLAGRA WITH OTHER CAUSES.

MONTHS.	White Males.					White Females.					Total White					Colored Males.					Colored Females.					Total Colored.					Total White and Colored.				
	Cause of Death.			Relative. Per Cent.		Cause of Death.			Relative. Per Cent.		Cause of Death.			Relative. Per Cent.		Cause of Death.			Relative. Per Cent.		Cause of Death.			Relative. Per Cent.		Cause of Death.			Relative. Per Cent.		Cause of Death.			Relative. Per Cent.	
	Total.	Pellagra.	All other Causes.	100 P. C.		Total.	Pellagra.	All other Causes.	100 P. C.		Total.	Pellagra.	All other Causes.	100 P. C.		Total.	Pellagra.	All other Causes.	100 P. C.		Total.	Pellagra.	All other Causes.	100 P. C.		Total.	Pellagra.	All other Causes.	100 P. C.		Total.	Pellagra.	All other Causes.	100 P. C.	
				Pellagra.	All Other Causes.				Pellagra.	All Other Causes.				Pellagra.	All Other Causes.				Pellagra.	All Other Causes.				Pellagra.	All Other Causes.				Pellagra.	All Other Causes.				Pellagra.	All Other Causes.
January	2		2			3		3			5		5			7		7			4		4			11		11			16		16		
February	3		3			2		2			7		7			6		6			2		2			8		8			15		15		
March	5	1	4			5	1	4			7	1	6			9		9			5	3	2			14	3	11			21	4	17		
April	10		10			4		4			14		14			13		13			11	1	10			24	1	23			38	1	37		
May	3		3			2	1	1			5	1	4			12	1	11			8	2	6			20	3	17			25	4	21		
June	5		5			5	1	4			10	1	9			9	1	8			16	9	7			25	10	15			35	11	24		
July	5		5			6	3	3			11	3	8			5		5			8	4	4			13	4	9			24	7	17		
August	7		7			8	1	7			13	1	12			7		7			11	2	9			18	2	16			31	3	28		
September	7		7			7	1	6			14	1	13			7	3	4			6	1	5			13	4	9			27	5	22		
October	7	2	5			7		7			14	2	12			13	3	10			7	3	4			20	6	14			34	8	26		
November	5		5			5		5			10		10			9		9			2	2	2			11	2	9			21	4	17		
December	2	1	1			5	2	3			7	3	4			10		10			9	4	5			19	4	15			26	7	19		
Total	58	3	55	.05	.95	59	12	47	20.3	79.7	117	15	102	12.8	87.2	107	8	99	7.4	92.6	89	31	58	34.8	65.2	196	39	157	19.9	80.1	313	54	259	17.2	82.8



## RESULT OF PELLAGRINS ADMITTED IN 1921.

	White Males.	White Females.	Total White.	Colored Males.	Colored Females.	Total Colored.	Total White and Colored.
Died .....	4	8	12	10	15	25	37
Discharged .....	3	4	7				7
Out on Parole .....	5	3	8	1	6	7	15
Still in Hospital .....	6	6	12	7	15	22	34
Total .....	18	21	39	18	36	54	93

## RESIDENCE OF PATIENTS RECEIVED 1921.

COUNTIES.	Males.		Females		Total.
	White.	Colored.	White.	Colored.	
Abbeville .....	6	6	2	9	23
Aiken .....	8	4	2	3	17
Allendale .....	1	4	2	8	
Anderson .....	19	15	22	9	65
Bamberg .....	2	3		3	8
Barnwell .....	2	6	1	3	12
Beaufort .....		5	2	3	10
Berkeley .....	2	2		2	6
Calhoun .....	3	9	3	3	18
Charleston .....	14	19	7	22	62
Cherokee .....	3	5	4	3	15
Chester .....	6	33	4	5	18
Chesterfield .....	9	1	5	3	18
Clarendon .....	1	6	2	5	14
Colleton .....	3	5	2	4	14
Darlington .....	4	2	7	2	15
Dillon .....	5	2	2	3	12
Dorchester .....	3	3	2	2	10
Edgefield .....	2	1	1	3	7
Fairfield .....	4	2	1	4	11
Florence .....	9	5	6	3	23
Georgetown .....		3	3	3	9
Greenville .....	20	3	19	3	45
Greenwood .....	6	5	7	7	25
Hampton .....	2	3	3	1	9
Horry .....	2	4	7	4	17
Jasper .....				4	4
Kershaw .....	3	4	6	4	17
Lancaster .....	1	4	1	1	7
Laurens .....	9	10	10	9	38
Lee .....	4	5	3	3	15
Lexington .....	7	5	4	3	19
Marion .....	6	1	8	8	23
Marlboro .....	7	3	1	3	14
McCormick .....		3	1	2	6
Newberry .....	2	5	5	7	19
Oconee .....	7	1	8	3	19
Orangeburg .....	9	8	8	9	34
Pickens .....	5	1	12	1	19
Richland .....	25	18	17	19	79
Saluda .....	2	3	2	4	11
Spartanburg .....	19	7	16	4	48
Sumter .....	4	8	4	7	23
Union .....	7	1	4	1	13
Williamsburg .....	1	5	1	6	13
York .....	8	6	10	4	28
Totals.....	262	224	237	215	938



## RESIDENCE OF PATIENTS PRESENT DECEMBER 31, 1921.

COUNTIES.	Males.		Females		Total.
	White.	Colored.	White.	Colored.	
Abbeville .....	10	11	13	9	43
Aiken .....	18	16	20	7	61
Allendale .....	...	3	2	1	6
Anderson .....	42	24	37	13	116
Bamberg .....	2	7	6	8	23
Barnwell .....	10	21	6	14	51
Beaufort .....	3	19	2	8	32
Berkeley .....	2	10	7	5	24
Calhoun .....	5	13	3	4	25
Charleston .....	37	50	41	61	189
Cherokee .....	10	7	7	3	27
Chester .....	22	7	13	14	56
Chesterfield .....	11	7	17	5	40
Clarendon .....	9	7	11	14	41
Colleton .....	16	11	12	8	47
Darlington .....	6	19	12	8	45
Dillon .....	11	3	10	4	28
Dorchester .....	4	7	4	9	24
Edgefield .....	7	9	5	8	29
Fairfield .....	6	8	4	6	24
Florence .....	14	17	16	16	63
Georgetown .....	3	13	4	9	29
Greenville .....	59	17	54	12	142
Greenwood .....	18	14	15	16	63
Hampton .....	...	11	10	7	28
Horry .....	11	5	21	6	43
Jasper .....	1	3	1	4	9
Kershaw .....	8	13	10	8	39
Lancaster .....	9	10	11	2	32
Laurens .....	20	17	19	10	66
Lee .....	2	6	6	3	17
Lexington .....	11	11	19	5	46
Marion .....	13	4	14	11	42
Marlboro .....	5	9	17	13	44
McCormick .....	1	1	4	4	10
Newberry .....	3	10	13	10	36
Oconee .....	19	4	32	3	58
Orangeburg .....	16	19	21	16	72
Pickens .....	15	1	19	4	39
Richland .....	44	43	47	31	165
Saluda .....	4	6	6	4	20
Spartanburg .....	54	20	49	20	143
Sumter .....	10	22	12	21	65
Union .....	11	8	14	3	36
Williamsburg .....	7	13	7	10	37
York .....	24	19	24	12	79
Totals .....	613	575	697	469	2354



## OCCUPATIONS AND DAILY AVERAGE NUMBER OF PATIENTS EMPLOYED.

	White Males.	White Females.	Colored Males.	Colored Females.	Total.
Bakery .....	1		13		14
Baggage Room .....	2				2
Barber Shop .....	2				2
Basketry .....	11				11
Blacksmith .....			2		2
Broom Making .....	6				6
Butcher .....	2				2
Dairy .....	3		12		15
Dental Office .....	2				2
Dining Room .....	36	41	40	29	146
Ditching .....			15		15
Fancy Work .....		52			52
Farm .....	57		100		157
Florist .....	2				2
Firemen .....			4		4
Garden, Vegetable .....	3		1		4
Hog Feeders .....			2		2
Ice Plant .....			1		1
Kitchen .....	1		32	14	47
Laundry .....			12	51	63
Laboratory .....	2				2
Mat Making .....	5				5
Mattress Making .....	6				6
Musicians .....	10				10
Offices and Halls .....	9		6		15
Printers .....	3				3
Painters .....	4		3		7
Sewing Room .....	12	28		30	70
Sewing on Ward .....		6			6
Scrubbers .....				30	30
Stables .....			1		1
Storeroom .....	4		4		8
Shepherd .....	1				1
Toy Making .....	3				3
Tinsmith .....			1		1
Truck and Wagons .....			15		15
Vegetable House .....		24			24
Ward Work .....	158	115	94	92	459
Weaving .....	21				21
Washing Walls .....	5				5
Wood Cutting .....			14		14
Wood Yard .....			7		7
Yard Detail .....	38		108	8	154
Total .....	409	266	487	254	1416



LABORATORY EXAMINATIONS, 1921.  
(Percentage of Positive Blood Wassermanns.)

Male White.			Female White.			Male Colored.			Female Colored.		
Pos. 28	Neg. 296	P. C. 9.5	Pos. 6	Neg. 162	P. C. 3	Pos. 46	Neg. 194	P. C. 22.66	Pos. 25	Neg. 165	P. C. 15

(Percentage of Positive Spinal Fluid Wassermanns.)

8	27	29	.....	.....	.....	25	36	44.6	3	9	33.33
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Urinalysis .....	646
Routine examination (Sp. Fl.) .....	126
Blood counts .....	127
Vaginal and Urethral smears .....	5
Autopsies .....	24
Examination for Malaria .....	71
Sputum .....	6
X-Ray pictures made .....	1127
Treatment of cancer (X-Ray) .....	59
Blood Cultures .....	21
Culture of Sp. Fl. for Meningitis .....	1
Culture on urine .....	2
Sections .....	8
Widals .....	7
Test of urine for T. B. ....	10
Feces .....	1
Throat cultures .....	79
Tissue Examination .....	9
Preparation for diarsenal .....	18
Inoculation of Guinea Pig for T. B. ....	13
Tests for Filaria .....	5
Examination of Sp. Fl. for Meningitis .....	2
Wassermann on blood .....	923
Wassermann on spinal fluid .....	130



## TREASURER'S REPORT

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December 31st, 1921.

Dr. C. F. Williams, Superintendent,

Dear Sir: We submit herewith our annual report for the year 1921 and call attention to these facts, viz: That we have been able to live within our appropriation to the amount of \$45,942.73; to turn in to the State Treasurer the sum of \$31,821.56 and to increase our revolving fund from \$5,000.00 to \$15,000.00. The cost of operating the hospital in 1921 is, therefore, \$87,764.29 less than the amount appropriated for it. It should be noted, however, that the amount unused in the Completion of Taylor Building & Further Development account, together with about \$8,000.00 additional, will be needed to pay for labor and materials already contracted for.

Explanatory notes appear in connection with the report on several of the activities.

Two statements are presented, one on our own budget classification form and the other on the form provided by the National Committee for Mental Hygiene.

Yours respectfully,

H. T. PATTERSON, Treasurer.

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## GENERAL INFORMATION

December 31, 1921.

1. Date of opening as an institution for the insane.....December 18, 1827  
(Date of founding of the institution, December 21, 1821)
2. Type of institution..... State
- 3 Hospital Plant
  - Value of hospital property:
    - Real estate, including buildings.....\$2,308,705.86
    - Personal property ..... 196,609.13
    - Total .....\$2,505,314.49
  - Total acreage of hospital property owned (including grounds, farm and garden and sites occupied by buildings)..... 2,730.61
  - Total acreage under cultivation during previous year (Includes land owned and rented)..... 808.00



## 4. Officers and employees actually in service at end of year:

	Males	Females	Total
Superintendents .....	1	.....	1
Assistant physicians .....	7	1	8
Stewards .....	1	.....	1
Resident dentists .....	1	.....	1
Graduate nurses .....	.....	19	19
Other nurses and attendants .....	79	87	166
Teachers of occupational therapy .....	2	4	6
Social workers .....	.....	.....	.....
All other officers and employees .....	129	44	173
Total officers and employees .....	.....	.....	375
5. Patients employed in industrial classes or in general hospital work on date of report .....	896	520	1416
6. Average daily number of all patients actually in institution during year .....	1161	1170	2331
7. Voluntary patients admitted during year .....	11	.....	11
8. Persons given advice or treatment in out-patient clinics during year .....	27	10	37

FINANCIAL STATEMENT FOR THE FISCAL YEAR ENDING  
DECEMBER 31ST, 1921. ..

Standard form adopted by the American Medical  
Psychological Association and the National  
Committee for Mental Hygiene.

RECEIPTS

Balance on hand from previous fiscal year .....	\$ 5,000.00
Received from appropriations .....	746,448.65
Received from paying patients .....	16,907.67
Received from all other sources .....	24,913.89
Total receipts .....	\$793,270.21

DISBURSEMENTS.

1. Expenditures for maintenance of patients:	
Salaries and wages .....	\$221,418.99
Provisions (food) .....	231,664.98
Fuel, light and water .....	39,757.78
All other expenditures for maintenance .....	168,702.08
Total expenditures for maintenance .....	\$661,543.83
2. Expenditures for purposes other than maintenance, including new buildings, additions, extraordinary repairs, improvements, etc. ....	84,904.82
Total expenditures .....	\$746,448.65
Amount returned to State Treasurer or other officials .....	31,821.56
Balance on hand at close of year .....	15,000.00
Total disbursements, including balance on hand .....	\$793,270.21



## FINANCIAL STATEMENT.

## RECEIPTS.

Revolving Fund from 1920 .....	\$ 5,000.00
From Paying Patients .....	16,907.67
From Farms and Dairy .....	2,422.81
From Diversional Occupation Department .....	1,028.71
From Sundry Sources .....	21,462.37
From 1921 appropriation:	
Superintendence and Records .....	26,547.73
Care and Treatment of Inmates .....	532,903.60
Upkeep of buildings and grounds .....	54,123.27
The Pel Farm .....	9,399.71
The Moore Farm .....	6,560.22
The Columbia Farm .....	9,847.74
The Hospital Dairy .....	22,161.56
Completion of Taylor Building and further development .....	84,904.82
	<hr/>
	\$ 793,270.21

## DISBURSEMENTS.

Paid to State Treasurer:		
Monthly during year .....	\$ 16,872.11	
At close of business, 1921 .....	14,949.45	\$ 31,821.56
Paid for following activities:		
Superintendence and records .....	26,547.73	
Care and treatment of inmates .....	532,903.60	
Upkeep of buildings and grounds .....	54,123.27	
Pel farm .....	9,399.71	
Moore farm .....	6,560.22	
Columbia farm .....	9,847.74	
Dairy .....	22,161.56	
Completion of Taylor building and further development .....	84,904.82	
Revolving fund .....	15,000.00	
	<hr/>	
		\$793,270.21

## AMOUNTS UNUSED, REMAINING IN HANDS OF COMPTROLLER GENERAL FOR THESE ACTIVITIES:

Care and Treatment of Inmates .....	\$ 27,047.84
Pel farm .....	260.29
Moore farm .....	535.78
Columbia farm .....	2,737.26
Dairy .....	6,998.44
Completion of Taylor building and further development .....	8,363.12
	<hr/>
	\$45,942.73



## COLUMBIA FARM REPORT 1921.

## DEBITS.

To Produce on hand January 1, 1921 .....	\$ 4,535.74
Hogs on hand January 1, 1921 .....	6,069.00
Implements and machinery on hand January 1, 1921 .....	1,921.65
Work animals (10) on hand January 1, 1921 .....	1,425.00
Fertilizer on hand January 1, 1921 .....	398.62
Chickens on hand January 1, 1921 .....	70.00
Advertising .....	6.50
Board of attendants and laborers .....	840.00
Steers (54) .....	2,612.40
Depreciation on buildings .....	200.00
Equipment .....	24.75
Express and freight .....	563.68
Feed .....	1,458.58
Fertilizer .....	2,018.82
Garbage .....	1,500.00
Gasoline, kerosene, engine oil .....	80.05
Harness .....	19.00
Horse shoeing .....	18.53
Insurance on buildings .....	120.00
Interest on amount invested in hogs (\$600.00).....	36.00
Livestock (work animals) .....	225.00
Machinery, implements, hardware .....	231.59
Medical supplies (insecticide) .....	4.00
Lime, twine, sacks, etc., .....	32.99
Payroll .....	5,075.52
Dried peas .....	15.57
Rental of land (135 acres at \$4.00) .....	540.00
Repairs for machinery .....	89.52
Seed and plants .....	318.68
Veterinary supplies .....	125.76
Veterinarian .....	15.00
Total .....	\$ 30,591.95

## CREDITS.

By 23½ bushels beets at \$2.00 .....	47.00
56,431 pounds cabbage at .01%, .02 .....	993.91
17 4-5 bushels carrots at \$1.00 .....	17.80
315 dozen roasting ears at .25, .18 .....	85.11
940 bushels shelled corn at \$1.00, .84, .83 .....	904.16
38 4-7 bushels corn in shuck at .75 .....	28.93
145 1-5 bushels cucumbers at .85 .....	123.42
66 dozen eggs at .59, .58, .50, .29, .28, .27, .26 .....	25.35
Feed .....	324.35
Fertilizer .....	40.15
Hauling .....	5.65
9.915 tons of hay at \$27.50 and \$30.00 .....	297.45
1707 + bushels mustard and turnip salad at .65.....	1,109.65



13.325 tons oat straw at \$14.00 .....	186.55
2.51 tons oats in straw at \$36.00 .....	90.36
200½ bushels shelled oats at .53 .....	106.27
389+bushels okra at \$1.25 .....	486.65
73+bushels onions at \$1.25 .....	92.08
95 bushels peppers at \$1.75 .....	166.25
41,056 pounds pork at .18, .15, .12 .....	6,569.20
20,990 pounds Irish potatoes at \$2.00 bushel and \$3.40 bushel .....	657.33
75,087 pounds sweet potatoes at .01¼, .01½ .....	1,140.91
213-5 bushels radishes at \$1.00 .....	21.60
Shucks .....	100.96
80 bushels spinach at .65 .....	52.00
396 + bushels squash at .60 .....	237.71
104 bushels string beans at \$1.00 .....	104.00
77½ bushels Swiss chard at .50 .....	38.75
338+bushels tomatoes at \$1.50 .....	507.88
271+bushels turnips at \$1.00 .....	271.68
2 tons 390 pounds wheat straw at \$12.00 .....	14.34
Produce on hand December 31, 1921 .....	3,739.05
Implements and machinery on hand December 31, 1921 .....	1,606.55
Fertilizer on hand December 31, 1921 .....	194.85
Hogs on hand December 31, 1921 .....	3,520.00
Steers (54) on hand December 31, 1921 .....	2,612.40
Work animals (12) on hand December 31, 1921 .....	1,210.00
Feed on hand December 31, 1921 .....	2,419.77
Use of threshing machine and engine (Dairy and S. P. Farms) .....	45.00
Balance against Columbia Farm .....	396.88
Total .....	\$30,591.95

Note—The loss shown here is accounted for in the fact that the grain, animals, and implements on hand on the 1st day of January were charged at the figure at which they were credited in the 1920 report, that is, at the price prevailing at that time. These articles and animals are credited at the price prevailing on December 31, 1921, a very much reduced price.

For the past four years this farm shows an average profit of \$3,308.52.

### DAIRY REPORT, 1921.

#### DEBITS.

To Pure bred cattle on hand January 1, 1921 .....	\$ 8,750.00
Grade cattle on hand January 1, 1921 .....	8,810.00
Work animals (6) on hand January 1, 1921 .....	1,600.00
Feed on hand January 1, 1921 .....	5,878.00
Dairy and farm implements on hand January 1, 1921 .....	3,062.35
Fertilizer on hand January 1, 1921 .....	165.00
Steers (44) on hand January 1, 1921 .....	2,844.44



Advertising .....	9.70
Difference in exchange of mules .....	75.00
Bran .....	326.75
Board of Attendants and laborers .....	1,080.00
Depreciation of plant .....	657.25
Equipment .....	36.50
Express .....	1.94
Feed .....	11,354.83
Fertilizers .....	1,119.63
Freight .....	1,122.96
Gasoline, kerosene, oils .....	4.95
Hauling .....	5.65
Horse shoeing .....	23.05
Insurance on buildings .....	413.15
Interest on amount invested in dairy herd (\$8,000.00) .....	480.00
Livestock (work animals) .....	975.00
Machinery, implements, hardware .....	493.05
Medical supplies .....	6.24
Twine, scouring powder, brooms, etc. ....	83.37
Office supplies .....	22.47
Payroll .....	4,807.25
Rental of land (89 acres at \$4.00 per acre) .....	356.00
Repairs to machinery .....	150.06
Seed .....	56.14
Shucks .....	21.90
Transfer and registry of cows .....	50.00
Veterinarian .....	11.50
Use of engine and threshing machine .....	15.00
Balance in favor of Dairy .....	4,266.89

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\$58,636.02

## CREDITS.

By Animals trespassing .....	\$ 9.50
Cattle sold and beef delivered to hospital .....	4,431.96
Feed sold .....	1,296.07
Fertilizer sold .....	3.83
Beef hearts, brains, livers, tripe delivered to hospital .....	143.60
Hides sold .....	195.22
Manure delivered to Columbia farm .....	613.96
Milk delivered to hospital .....	20,032.18
Seed sold .....	106.60
Service fees .....	54.00
Pure-bred cattle on hand December 31, 1921 .....	15,725.00
Grade cattle on hand December 31, 1921 .....	6,685.00
(8) Work animals on hand December 31, 1921 .....	1,475.00
Feed on hand December 31, 1921 .....	5,099.00
Dairy and farm implements on hand December 31, 1921 .....	2,380.10
Manure (steer) 77 tons .....	385.00

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\$58,686.02



## PEL FARM REPORT, 1921.

## DEBITS.

To produce on hand January 1, 1921 .....	\$6,812.50
Cattle on hand January 1, 1921 .....	980.00
(11) Work animals on hand January 1st, 1921 .....	1,624.50
Implements on hand January 1, 1921 .....	1,011.50
Hogs on hand January 1, 1921 .....	3,338.82
Board of attendants .....	240.00
Depreciation of plant .....	200.00
Equipment .....	274.48
Express and freight .....	112.29
Feed .....	2,097.69
Fertilizer .....	1,130.15
Garbage (23 tons at \$20.00 per ton) .....	460.80
Gasoline, kerosene, oils .....	9.77
Harness .....	2.50
Horse shoeing .....	44.12
Insurance on buildings .....	100.00
Interest on amount invested in hogs .....	12.00
Interest on amount invested in cows .....	39.00
Machinery, implements, hardware .....	303.59
Medical supplies and solution to spray trees .....	109.16
Axle grease, baskets, sacking needles, soap, etc. ....	24.73
Payroll .....	4,706.49
Rental of land (300 acres at 2.00) .....	600.00
Repairs for machinery .....	47.15
Seed and fruit trees .....	102.84
Sweet potatoes (seed) .....	52.92
Velvet beans .....	416.65
Veterinary supplies (vs. hog cholera) .....	264.71
Veterinarian .....	6.00
Work animals (4) .....	560.00
Use of engine and threshing machine .....	15.00

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 \$25,699.37

## CREDITS.

By 1570 pounds beef at 11 3-4 cents pound .....	184.48
150 cantaloupes at 10 cents each .....	15.00
Animals trespassing .....	3.00
1,185 bushels shelled corn at \$1.00, 84 cents, 82½ cents .....	1,043.60
Feed sold .....	34.50
Feeding hospital team .....	292.00
Hides sold .....	10.98
Hogs sold .....	27.00
6,922 gallons milk at 55 cents, 45 cents per gallon .....	3,546.30
Oat straw sold .....	84.35
155 bushels peaches at 2.00 bushel .....	310.00
20 13-19 bushels green peas at \$1.25 per bushel .....	25.85
11,646 pounds dried peas at 4 1-2 cents pound .....	524.07



24,648 pounds pork at 18, 15, 12 cents pound .....	3,998.91
79,200 pounds sweet potatoes at 1 1-2 and at 3-4 cent pound.....	1,053.00
Refund of freight .....	20.92
Seed sold .....	9.50
Serum and virus sold .....	2.83
Shucks sold .....	33.02
6,098 watermelons at 20 cents each .....	1,219.60
Implements and machinery on hand December 31, 1921 .....	1,234.50
Hogs on hand December 31st, 1921 .....	1,972.80
(15) Work animals on hand December 31, 1921 .....	1,747.50
Produce on hand December 31, 1921 .....	6,553.75
Cattle on hand December 31, 1921 .....	825.00
Balance against Pel Farm .....	\$ 926.88
	<hr/> \$25,699.37

NOTE—The loss shown here is accounted for in the fact that the grain, animals and implements on hand on the 1st day of January, 1921, were charged at the figure at which they were credited in the 1920 report. That is, at the price prevailing at that time. These articles and animals are credited at the price prevailing on December 31st, 1921, a very much reduced price.

For the past four years this farm shows an average profit of \$1,355.93.

#### MOORE FARM REPORT, 1921.

##### DEBITS.

To produce on hand January 1, 1921 .....	\$6,042.22
(10) Work animals on hand January 1, 1921.....	1,350.00
Implements on hand January 1, 1921 .....	900.50
Hogs on hand January 1, 1921 .....	1,141.88
Board of Attendants .....	240.00
Depreciation of Plant .....	200.00
Equipment .....	305.06
Express and freight .....	39.66
Feed .....	175.50
Fertilizer .....	1,697.18
Fuel Oil .....	19.55
Harness .....	29.88
Horse shoeing .....	28.99
Insurance on buildings .....	100.00
Ginning .....	3.50
Machinery, implements and hardware .....	239.38
Medical supplies and disinfectants .....	5.40
Baskets, axe handles, sacking needles, grease, etc.....	20.93
Pay Rolls .....	3,021.08
Sweet potatoes (seed) .....	37.80
Veterinary supplies .....	77.37
Rental of land .....	516.00
Repairs for machinery and implements .....	43.10



Seed .....	156.80
Veterinarian .....	4.00
Work animals (4) .....	450.00
Use of engine and threshing machine .....	15.00
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	\$16,860.28

## CREDITS.

By 38 1-2 bushels beets at 2.00 bushel .....	77.00
40 1-2 bushels butter beans in hull at 5.00 bushel .....	202.50
7900 pounds cabbage at 1 1-4 cents pound .....	98.75
Cabbage plants sold .....	27.50
645 head collards at 10 cents head .....	64.50
2989 bushels corn at 1.00, 84 cents .....	2,151.18
56 bushels cucumbers at 85 cents per bushel .....	47.60
Hauling .....	82.25
3,380 pounds hulls at \$15.00 per ton .....	25.35
110 bushels okra at 1.25 bushel .....	137.50
167 bushels onions at 1.25 bushel .....	208.75
6840 pounds peas at 4 1-2 cents pound .....	285.30
3258 pounds pork at 18, 12 cents pound .....	501.36
141 bushels Irish potatoes at 1.60 bushel .....	225.60
36,888 pounds sweet potatoes at 1 3-4 cents, 1 1-2 cents pound.....	555.72
706 dozen roasting ears at 18 cents per dozen .....	127.08
289 bushels salad at 65 cents bushel .....	187.85
Shucks sold .....	65.89
32 bushels squash at 60 cents per bushel .....	19.20
10.35 tons straw at 14.00 ton .....	144.90
170 bushels string beans at 1.00 bushel .....	170.00
115 bushels tomatoes at 1.50 bushel .....	172.50
816 bushels turnips at 70 cents bushel and 1.00 cwt. ....	580.10
408 1-2 bushels Velvet Beans at \$1.25 .....	510.62
1,690 watermelons at 20 cents each .....	338.00
Implements and machinery on hand December 31st, 1921 .....	1,311.04
(14) Work animals on hand December 31st, 1921 .....	1,302.50
Produce on hand December 31st, 1921 .....	4,408.00
Hogs on hand December 31st, 1921 .....	928.80
Balance against Moore farm .....	1,902.94
	<hr/>
	\$16,860.28

NOTE—The loss shown here is accounted for in the fact that the grain, animals and implements on hand on the 1st day of January, 1921, were charged at the figures at which they were credited in the 1920 report. That is, at the price prevailing at that time. These articles and animals are credited at the price prevailing on December 31, 1921, a very much reduced price.

For the past four years this farm shows an average profit of \$203.64.



## REPORT OF ARCHITECT.

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Columbia, S. C.

January 1, 1922.

To The Board of Regents, S. C. State Hospital, Columbia, S. C.

Gentlemen: A report of the progress made upon the development and repairs to the buildings and their equipment is herewith submitted.

The development of the Taylor Building was completed and occupied in the early part of the year. The completion of this building completes the rebuilding of wards for the white patients.

The following buildings were constructed and improvements made during the year:

### COLUMBIA.

1. In the early part of the year fire destroyed the frame tin-clad building used as a mattress factory. A new brick building was erected to replace the burned building.

2. A comfort station was erected for the use of employees and patients in the rear yard.

3. Consideration was given to the question of the fire hazard in the various buildings. After giving this some thought it was decided to have installed a system of automatic sprinklers in the store rooms of the administration building, and in the wooden pavilion used by the tubercular patients. These systems have been installed.

4. During last year a high pressure steam line was run from the central boiler plant to the kitchen and laundry. This line was extended during the year to supply steam to the hot water heaters in the basement of the buildings. The extension of this line will enable the steam to be shut off of the large steam mains during the summer months, which will result in the saving of fuel.

5. The roof of the Parker Building has been repaired and painted, and new gutters and down spouts erected.

6. A fire-proof stairway was built in a central location in the Parker Building. Before this was built there were two wooden stairways and it was advisable to provide a fire-proof



exit, which at the same time would be used as a service exit, in addition to the present stairways.

7. The floors of the Parker Building were very badly worn. New flooring was put down wherever it was found to be necessary.

8. A five-room cottage was built which is occupied by the baker.

9. Two five-room cottages are now under construction which when completed, will be occupied by married physicians.

### STATE PARK

10. In contemplating the development of State Park for the negro patients one of the first considerations was providing a sufficient and proper water supply. This has been under consideration for some time and various investigations made led to the conclusion, as previously reported, that it would be advisable to secure the water supply from the City of Columbia. However, since recommending this as a source of water supply, further experiments and investigations were made with a view of obtaining the necessary water supply from wells driven on the place. These experiments proved satisfactory and under the direction of G. E. Shand, C. E., three wells have been driven and a sufficient amount of water seems assured. A more detailed report of this has been made to you by Mr. Shand, who was directly in charge of this work.

11. Arrangements were made with the Columbia Street Railway & Power Company for electrical power to be used for lighting and power. Under the direction of the State Electrician a transmission line has been constructed from the Power Company's mains in Columbia to a central point at State Park.

12. The plumbing in the present building at State Park has been repaired and put in a sanitary condition.

### RECOMMENDATIONS

#### *Columbia*

Reference was made in a previous report of the necessity of providing adequate living quarters for the nurses and attendants who live on the grounds. These quarters should be provided if the working forces are to be properly and comfortably cared for.



*State Park*

All the buildings at Columbia have been developed for the white patients and are in splendid condition for the care of the present population.

The development of State Park for the colored patients should now be considered.

A report was made to your Board of the buildings that should be provided at State Park to care for these patients, which was quoted in the annual report for 1920.

By reference to this report it will be seen that some of the negro patients are housed at Columbia in the Parker Building, the Parker Annex and in part of the old Asylum Building. The balance of these patients are cared for in the present ward building and in the laundry building at State Park.

The buildings at Columbia now occupied by negro patients have not been developed as it was contemplated that the patients should remain in these buildings until new ones could be constructed for them at State Park. The present ward building at State Park is occupied by colored women, and is a well constructed fire-proof building, but is not properly heated.

The laundry building in which colored male patients are housed is a one-story concrete block house originally built for a laundry building, but was converted in an improvised manner to temporarily care for some of the colored patients. The building requirements at State Park have already been set forth in the report referred to, and indicate that it will be necessary to build wards and administrative buildings for 1200 patients. The water supply and the electric power line have been built.

Realizing the present condition of our State, and the desire of the citizens for relief in taxation it may not be possible to start the construction of all these buildings. However, relief should be provided at once for the overcrowded condition in which these patients are forced to live. In the present condition of the buildings and their equipment it is difficult to properly care for and treat these patients.

To relieve this overcrowded condition at least one ward building should be erected for 150 beds. This building would form a part of the group of buildings planned to be built, and will be one unit in the development of the State Park Institu-



tion. This building has been planned in the most economical manner as to space and construction. A careful estimate has been made of the cost of this building to be \$123,000.

The building will be constructed of plain brick walls with reinforced concrete floors and fire-proof interior walls. The roof will be covered with slate, the building heated with steam, and equipped with plain sanitary plumbing.

In this estimate is included the cost of a septic tank for sewage disposal, and the necessary mains for water supply. The estimate has been made on the present market prices of labor and materials, which have declined considerably since the estimate was made on the buildings last year. From the present indications the cost of building construction will remain stable until the financial stringency is relieved, when in all probability there will be a much greater demand for building supplies and labor, and consequently a rise in cost.

We are submitting with this a sketch of the plan of the building proposed. The plan meets in an ideal manner the requirements of such a ward building.

Respectfully submitted,

GEORGE E. LAFAYE.

Architect.



## REPORT OF ENGINEER.

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### WATER SUPPLY AT STATE PARK

Columbia, S. C., January 1, 1922

To the Board of Regents, S. C. State Hospital, Columbia, S. C.

Gentlemen: The question of a water supply for the enlarged institution at State Park had to be perfected before plans for its construction could be decided upon. The original plans contemplated a supply from the head waters of Crane Creek (some four miles to the north of State Park), but an investigation that was made by The Tomlinson Engineering Company developed that a more reliable supply could be obtained, and at less cost, from the City of Columbia. The cost of the necessary pipe lines and pumping machinery was estimated to be over \$100,000 (Mar. 1921), construction costs being very high at that time. The writer, who had some experience with wells at State Park, was called in to advise as to the possibility of obtaining a water supply from wells. After getting information as to previous efforts to obtain water from wells at State Park, consulting with Prof. Tabor as to the Geological formation and getting the opinion of Mr. Sydnor of Richmond, Va., (an expert well driller), we recommended that there was a reasonable chance of obtaining a supply of 100,000 gallons a day from a series of wells, or sufficient to supply an institution of 2,000 patients. It was estimated that the cost of these wells would not exceed \$15,000 and the work will be completed within this estimate. Should the wells not afford all the water required for the completed institution, the probability was that they would supply sufficient water for the institution until such time as the cost of the pipe line to Columbia would be reduced more than the estimated cost of the wells. Furthermore, sufficient funds were available for the wells, but not enough for the pipe line. The Board of Regents decided that work be started on one 10" deep well, and if this developed a favorable prospect for sufficient water, to put down other wells, as would be needed to supply the full requirements of the enlarged institution.



The first well, at a depth of 140 feet, developed a flow of 32 gallons per minute. As this was considered satisfactory, a second well was put down which pumped 35 gallons per minute, and a third well furnished 60 gallons per minute. These three wells will furnish at maximum capacity, over 90,000 gallons in 12 hours of pumping, or 75,000 gallons with conservative pumping. By pumping for 16 hours the wells will furnish 100,000 gallons or all that is required. With three wells to draw from, one well can be cleaned out when necessary and the other two wells will furnish the required water. Furthermore, it is probable that a fourth well, put down in the vicinity of the third or larger well, would develop an additional flow of 60 gallons per minute.

Well No. 1 has been pumped, and its water used in the present institution, since July. This well had to be worked on, owing to clogging of strainers, in August, but since that time it has been in constant use. At times the pump cylinders will have to be withdrawn and the valves releathered, but with three wells to draw from, it is reasonably certain that a reliable supply of perfectly clear, soft and pure water of fine quality has been secured at a very reasonable cost.

Owing to the lack of Geological surveys and to the inexperience of all parties (including the well diggers) in developing a flow of water from the particular kind of water bearing strata from which the supply was obtained there was considerable uncertainty as to the success that would be obtained from the wells, but the results have shown that it was wise to have made the effort.

Deep well pumps with electric motors have been installed on wells No. 1 and No. 3; No. 2 being plugged and left for completion in the future, when more funds are available, and its water needed. A gasoline engine has been used to operate the pump on well No. 1 until electric current is available for motor drive.

A 100,000 gallon tank on a steel tower had been erected some years ago on the property, nearly a mile from the location of the new institution as now planned. It was decided to move this structure to a new location, and this work has been completed. The cast iron water main that was connected with this tower has likewise been removed and the work of connecting it with the tank and the wells is under way and will be completed at an early day.



## ELECTRIC POWER LINE.

After the question of a water supply for the enlarged institution had been satisfactorily solved, it was decided to obtain electric current from the lines of the Col. St. Ry. & Power Co., just as the State Hospital in Columbia is furnished, and for this purpose a power line has been constructed under the direction of Mr. Cannon, the State Electrician. This line has been completed. It will furnish electric current for motors and lights in the buildings of the institution, and for the motors driving the well pumps; also for electric motors used for farm and dairy purposes.

G. E. SHAND, Engineer.